

# **Historic, Archive Document**

Do not assume content reflects current  
scientific knowledge, policies, or practices.





United States  
Department of  
Agriculture

National  
Agricultural  
Library



Extension  
Service



United States  
Environmental  
Protection  
Agency



Bibliographies  
and Literature  
of Agriculture  
Number 106

August 1991

# Pesticide Applicator Training Materials: A Bibliography



**United States  
Department of  
Agriculture**



**National Agricultural Library**





United States  
Department of  
Agriculture

National  
Agricultural  
Library



Extension  
Service



United States  
Environmental  
Protection  
Agency



Bibliographies  
and Literature  
of Agriculture  
Number 106

August 1991

# Pesticide Applicator Training Materials: A Bibliography

Compiled by  
Barbara O. Stommel

Under the direction of  
Susan H. Fugate  
David H. Goldberg  
Claudia V. Weston

and with the assistance of  
Bonnie L. Poli

U.S. DEPT. OF AGRICULTURE  
NATIONAL AGRICULTURAL LIBRARY

NOV 28 2006

RECEIVED  
ORDER UNIT ACQUISITIONS BRANCH

National Agricultural Library  
Beltsville, Maryland  
1991

## **National Agricultural Library Cataloging Record:**

Stommel, Barbara O.

Pesticide applicator training materials: a bibliography.

(Bibliographies and literature of agriculture ; no. 106)

1. Pesticide applicators (Persons) — Training — Bibliography. 2. Pesticides — Application — Bibliography. I. Fugate, Susan H. II. Goldberg, David H. III. Weston, Claudia V. IV. Poli, Bonnie. V. National Agricultural Library (U. S.) VI. United States. Extension Service. VII. United States. Environmental Protection Agency. VIII. Title.

aZ5076.A1U54 no.106

## Contents

Introduction .....	v
User's Guide .....	vi
Acknowledgements .....	vii
PATC aerial pest control .....	1
PATC agricultural worker .....	8
PATC animal agricultural pest .....	13
PATC anti-fouling paint pest control .....	17
PATC aquatic pest control .....	18
PATC chemigation.....	25
PATC commercial core training.....	27
PATC compound 1080 (livestock protection collars) .....	67
PATC demonstration, research.....	68
PATC disinfectants.....	75
PATC forest pest control .....	77
PATC fumigation .....	87
PATC general public and homeowners.....	95
PATC industrial pest control.....	105
PATC institutional, structural pest control.....	111
PATC non-certified applicator.....	126
PATC ornamental, turf pest control .....	135

PATC pesticide dealers and distributors .....	160
PATC plant agricultural pest .....	165
PATC private core training.....	197
PATC private sector produced material.....	232
PATC public health pest control .....	240
PATC recertification .....	248
PATC reference .....	253
PATC regulatory pest control .....	276
PATC right-of-way pest control .....	278
PATC seed treatment.....	288
PATC specialized pest control.....	293
PATC stored, processed, manufactured product pest control .....	294
PATC vertebrate pest.....	306
PATC wood destroying organisms .....	308
Alternate Media Listing.....	319
Additional Language Listing.....	323

## Introduction

The National Agricultural Library (NAL), in cooperation with the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Agriculture Extension Service (ES), is developing a comprehensive collection of bibliographic material for use in pesticide applicator training (PAT). This collection builds on publications acquired by NAL through an agreement with EPA and ES in 1983, and is documented in Charles Beebe's bibliography: *Guides and Manuals for Pesticide Applicator Training: January 1979-August 1985*. This bibliography is a reflection of the continuing effort to enhance the present collection with new and current titles.

Donations of multiple copies of material used by organizations in both the public and private sector form the core of this collection. Those organizations unable to supply NAL with the actual items sent lists of appropriate materials that were then used as guidelines for selection and ordering. The collection is dynamic and is continually being updated. Any donations of materials will be greatly appreciated and can be sent to: PAT Collection, National Agricultural Library, Gift and Exchange Unit, Room 002, 10301 Baltimore Blvd., Beltsville, MD 20705-2351.

Those items donated to or acquired by NAL are processed for addition to NAL's collection. The bibliographic records created for PAT materials are enhanced with brief descriptive abstracts and the appropriate applicator categories to which they relate. These records will appear in AGRICOLA (AGRICultural OnLine Access) -- a bibliographic database containing more than 2.7 million citations to materials on the agricultural and life sciences and available online via BRS and DIALOG; on CD-ROM via SilverPlatter and OCLC Online Computer Library Center, Inc.; in ISIS (Integrated System for Information Services) --NAL's online catalog; and in various printed bibliographies.

A copy of NAL's lending policy is located within Appendix A to facilitate access to the publications listed in this bibliography. For additional information on the collection, please write to Janice Kemp, USDA, NAL, WQIC, Room 1402, NAL Bldg., 10301 Baltimore Blvd., Beltsville MD 20705-2351; or phone (301) 344-4077.



## Users Guide

The citations within this bibliography are arranged alphabetically by title under the PATC category listed in the table of contents. The body of each citation begins with a title (A) that appears in bold print. The remainder of the first paragraph includes, if applicable: authors (B), the place of publication (C), publisher (D), date(s) of publication (E), pagination or extent of the item (F), special features (G), dimensions (H), the series (I) in which the item is published, and the number (J) of the item within that series. These elements are followed by: the place of publication (K), the language of the text (L), the PATC categories (M) assigned to the publication, an abstract (N) describing the publication, and finally the NAL call number (O).

A ——— **Weed control in small grains in California.** ——— D  
 B ———  
 C ——— Mitich, Larry W.  
 E ——— Oakland, Calif. : Cooperative Extension, University of California, Division of Agriculture and Natural Resources, [1988?]. 12 p. : ill. ; 28 cm. -- Leaflet ——— G  
 F ——— (University of California (System). Division of Agriculture and Natural Resources) ; 21012. ——— H  
 K ——— *Place of publication:* California. *Language:* English. ——— L  
 M ——— *Descriptors:* PATC plant agricultural pest  
 N ——— *Abstract:* Intended for growers, pesticide applicators and advisors, this leaflet defines weed types and cycles. It contains tables listing susceptibility of weeds to herbicides for chemical fallow, and herbicides used in small grains. Descriptions of crop injury symptoms from herbicides and black and white photos are included.  
 O ——— *NAL Call No.:* S544.3.C2C3 no.21012

## Acknowledgments

This bibliography was prepared by the National Agricultural Library (NAL), Technical Services Division (TSD) in cooperation with the U.S. Department of Agriculture, Extension Service (ES), and the U.S. Environmental Protection Agency (EPA), Office of Pesticide Programs, Certification and Training Branch. Many individuals contributed their time and effort to the creation of the *Pesticide Applicator Training Materials, a Bibliography*. Sarah E. Thomas, Associate Director for Technical Services, NAL, proposed and directed NAL's involvement in this project. Bonnie L. Poli, National Program Leader, Pesticide Education, identified and solicited materials, created Pesticide Applicator Training Collection (PATC) category descriptors, and provided technical guidance in the formatting of the bibliography. Wendy Wintersteen, Extension Pesticide Coordinator, Iowa State University, identified materials for inclusion and provided project guidance; and Dr. Ronald Brickman, Public/Private Sector Initiative for Pesticide Education, also identified and solicited materials. Susan Fugate, David Goldberg, Barbara Stommel, and Claudia Weston of the NAL, and Bonnie Poli of the ES, were responsible for the compilation of citations included in this bibliography.

Special thanks are extended to the Acquisitions and Serials Branch (TSD), Cataloging Branch (TSD) and the Information Systems Division of the NAL for their combined efforts and efficiency in acquiring and cataloging these materials and their technical production of the bibliography; and to the Pesticide Farm Safety Center of the University of California at Davis for abstracts incorporated into this publication from the *Pesticide Safety and Training Materials Catalog*.





## PATC aerial pest control

### PATC aerial pest control

#### 1990 insecticide recommendations for Arkansas.

Johnson, Donald R.; Jones, Bill F.  
University of Arkansas, Fayetteville. Cooperative Extension Service; United States. Dept. of Agriculture.  
[Fayetteville, Ark.] : Cooperative Extension Service, University of Arkansas, [1990?]. 135 p. : ill. ; 28 cm.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC institutional, structural pest control; PATC aerial pest control; PATC demonstration, research

*Abstract:* This guide contains 1990 insecticide recommendations for Arkansas for insect pests of specific animals, field crops, fruit and nuts, and vegetables. Additionally, it lists suggested insecticides for recreation areas, flowers, trees and shrubs, turfgrass, golf courses, commercial Christmas trees, and household pests. It provides basic information about insecticides, calibration, and addresses and telephone numbers of Poison Control Centers in Arkansas.

*NAL Call No.:* SB950.2.A82J6

#### Aerial application.

Brown, Steven L.  
Alabama Cooperative Extension Service.  
[Auburn, Ala.] : Alabama Cooperative Extension Service, Auburn University, [1985?]. 12 p. : ill. ; 29 cm. -- Circular ANR ; 436.

*Place of publication:* Alabama. *Language:* English.

*Descriptors:* PATC commercial core training; PATC aerial pest control

*Abstract:* This study manual prepares Alabama commercial pesticide applicators for the Aerial Applicator Test, a state requirement for all aerial applicators. It provides information on the safest, most effective types of aerial application equipment, methods for converting standard spray equipment to ultralow-volume equipment, proper techniques for loading, ferrying and applying pesticides, ways to minimize drift, and aircraft sprayer

calibration. Includes calibration formula and a self-test consisting of fill-in-the-blank, multiple choice and problem solving questions followed by an answer key.

*NAL Call No.:* S544.3.A2C47 no.436

#### Aerial application : a manual for professional aerial applicators of pesticide chemicals, fertilizers, and other materials used in agriculture.

Cromwell, Richard P.  
Gainesville, Fla. : Institute of Food and Agricultural Sciences, Florida Cooperative Extension Service, University of Florida, [1989?]. 56, 127 p. : ill. ; 31 cm.

*Place of publication:* Florida. *Language:* English.

*Descriptors:* PATC aerial pest control

*Abstract:* Designed as a reference guide for professional aerial applicators of agricultural chemicals, this loose-leaf manual contains information on equipment, calibration, chemical drift, application techniques, and treatments for pesticide exposure and poisoning. An extensive appendix includes application formulas, calibration problems, toxicity ratings, regulations, and discussions on effects of droplet size.

*NAL Call No.:* SB953.A36

#### Aerial application of agricultural chemicals.

Star, David C.  
Michigan State University. Cooperative Extension Service. New ed.  
East Lansing, Mich. : Cooperative Extension Service, Michigan State University, [1987?]. 1 v. (various pagings) : ill. ; 28 cm. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; E-2019.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC aerial pest control

*Abstract:* This manual is intended to be used as a basic reference and education manual for individuals who conduct aerial application of pesticides in Michigan. It includes a review of laws and sprayer calibration and safety information.

## PATC aerial pest control

*NAL Call No.:* 275.29 M58B no.E-2019 1987

### **Aerial application of agricultural chemicals.**

Horton, Paul M.

Clemson University. Cooperative Extension Service.

Clemson, S.C. : Clemson University, Cooperative Extension Service, [1978?]. 64 p. : ill. ; 28 cm. -- Pesticide training series ; no. 11.

*Place of publication:* South Carolina. *Language:* English.

*Descriptors:* PATC aerial pest control

*Abstract:* Developed for use as a textbook for training agricultural aircraft pilots and as a reference guide for aerial applicators, this handbook provides information on laws and regulations, mixing, loading and application equipment, application principles, methods, and rates, chemical storage and disposal, pesticide toxicity and safety, and environmental protection measures. Part XV summarizes the information presented and highlights personal safety do's and don'ts. Figures and tables appear throughout.

*NAL Call No.:* SB953.H68

### **Aerial application of pesticides.**

Shell Agricultural Chemical Company. Rev. 4-86. Houston, Tex. : Shell Agricultural Chemical Co, c1986. 39 p. : col. ill. ; 23 cm.

*Place of publication:* Texas. *Language:* English.

*Descriptors:* PATC aerial pest control; PATC private sector produced material

*Abstract:* Spray systems, calibration for ultra low volume (ULV) and conventional aerial application, nozzle selection, factors affecting application, airstrip and field operations, safety, and assessing application efficiency are covered in this applicator guide. Contains glossary.

*NAL Call No.:* SB953.A34 1986

### **The Aerial applicator's growing role.**

National Agricultural Aviation Association; Smith & Associates (Oklahoma City, Okla.).

Washington, D.C. : NAAA, c1990. 1 videocassette : (29 min.) : sd., col. ; 1/2 in.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC aerial pest control

*Abstract:* This videotape describes the aerial applicator's growing role in producing safe food and fiber products. It emphasizes that agricultural aviation is the most economical way to apply chemicals essential to agriculture. Commercial agricultural pilot licensing and continuing education requirements, FAA, EPA and state Department of Agriculture standards, improved technical training and flight skills for optimum performance without overspray or drift and equipment, and recently developed returnable and closed containers are discussed.

*NAL Call No.:* Videocassette no.940

### **Agricultural aviation.**

[Washington, D.C. : National Agricultural Aviation Association], 1982-.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC aerial pest control

*Abstract:* The National Agricultural Aviation Association's journal, "Agricultural Aviation," addresses important agricultural aviation industry issues including pesticide safety, communication and aerial applicator professionalism. This publication strives to advance the applicator's understanding of pesticides and the public's understanding of the aerial applicator's role and the importance of crop protection chemicals in agricultural production. New technology, innovations and techniques to improve safe and efficient application of agricultural chemicals are discussed.

*NAL Call No.:* S494.5.A3W3

### **Application technology : dedicated to the efficient, efficacious and safe application of agricultural chemicals.**

WRK Incorporated.

Manhattan, Kan. : WRK Incorporated, 1987. 1 v. (various pagings) : ill. ; 28 cm.



## PATC aerial pest control

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC private sector produced material

*Abstract:* This training workbook, developed for agricultural pesticide applicators is composed of independent instructional units on efficient, effective and safe aerial application practices. Information appears on the lefthand page and the righthand page is designed for notes, calculations and sketches. Masters for transparencies are included. Topics covered include drop formation, drift, and coverage, equipment calibration, drift prevention, safety, and container disposal.

*NAL Call No.:* SB953.A67

### **Beneficial & pest insects of cotton.**

Barnes, Gordon.

[Little Rock, Ark.?] : Cooperative Extension Service, University of Arkansas, Division of Agriculture and U.S. Dept. of Agriculture, Cooperating, [1976]. -- Leaflet (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 400.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC demonstration, research

*Abstract:* The purpose of the pamphlet is to aid cotton growers and pesticide applicators in the recognition of insects commonly found on cotton to insure proper cotton scouting and proper timing of insecticide applications for advantageous insect population control. Contains color pictures of insects beneficial to as well as insects destructive to cotton.

*NAL Call No.:* 275.29 Ar4Le no.400

### **Boom sprayer calibration.**

Gardisser, Dennis R.

University of Arkansas, Fayetteville.

[Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture, and county governments cooperating, [1988]. 1 folded sheet (8 p.) : ill. ; 23 x 10 cm. -- EL (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 317.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC demonstration, research

*Abstract:* This leaflet explains how to calibrate boom sprayers, determine and change gallons per acre and tank mix. It includes volume and pressure guidelines for ground equipment and standard conversions.

*NAL Call No.:* 275.29 Ar4Le no.317 1988

### **Control insects on soybeans.**

Johnson, Donald R. . [Rev.].

[Little Rock, Ark.?] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture, and county governments cooperating, [1987?]. 14 p. : ill. ; 23 cm. -- EL (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 193.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC demonstration, research

*Abstract:* This leaflet discusses soybean scouting, insect pests and their control. Includes an illustrated identification guide to caterpillars on soybeans and 11 tables of insecticides and treatment level guidelines for control of specific soybean pests.

*NAL Call No.:* 275.29 Ar4Le no.193 1987

### **Control of cotton diseases.**

Hirrel, Marc C.; McDaniel, M. C.

University of Arkansas, Fayetteville. Cooperative Extension Service. [Rev., 10-84].

[Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture and county governments cooperating, [1984]. 1 folded sheet (8 p.) ; 23 x 10 cm. -- EL (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 168.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC demonstration, research

*Abstract:* Parasitic (seedling disease, angular leaf spot, fusarium wilt--root knot nematode complex, verticillium wilt) and nonparasitic diseases (crinkle

## PATC aerial pest control

leaf) of cotton in Arkansas and their control are discussed in this leaflet.

*NAL Call No.:* 275.29 Ar4Le no.168 1984

### **Controlling drift : a practical guide to reduce off-target movement of pesticides.**

ICI Americas, Inc.

[Wilmington, Del.?] : ICI Americas, Inc, c1988. 7 p. : col. ill. ; 28 cm.

*Place of publication:* Delaware. *Language:* English.

*Descriptors:* PATC aerial pest control; PATC private sector produced material

*Abstract:* This guide for aerial applicators discusses management practices and environmental conditions that cause pesticide drift and outlines strategies to minimize drift. Graphics support text.

*NAL Call No.:* SB953.C66

### **Cotton insect management.**

Johnson, Donald R.; Kimbrough, James L.; Wall, Marvin L.

University of Arkansas, Fayetteville. Cooperative Extension Service. [Rev., 1-90].

[Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture, and county governments cooperating, [1990]. 15 p. ; 23 x 10 cm. -- EL (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 52.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC demonstration, research

*Abstract:* Scouting and treatment guidelines for controlling insect pests of cotton in Arkansas are provided in this leaflet. Includes 15 tables listing recommended insecticides and miticides, formulations and rates, and minimum days of last application to harvest.

*NAL Call No.:* 275.29 Ar4Le no.52 1990

### **Drift is everyone's concern.**

Valent U.S.A. Corporation.

Walnut Creek, Calif. : Valent U.S.A. Corporation, c1989. 1 sheet : ill. (some col.) ; 28 x 22 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC aerial pest control; PATC private sector produced material

*Abstract:* This leaflet lists and discusses ways to reduce drift at time of aerial pesticide application. Factors to consider include sprayer nozzles, boom pressure, droplet size and wind velocity.

*NAL Call No.:* S494.5.A3D7

### **Equipment pesticide training manual.**

Montana. Environmental Management Division.

Helena, Mont. : State of Montana, Dept. of Agriculture, Environmental Management Division, [1986]. ii, 48 p. : ill. ; 28 cm.

*Place of publication:* Montana. *Language:* English.

*Descriptors:* PATC commercial core training; PATC aerial pest control

*Abstract:* Prepared as a study guide for applicators being licensed to apply restricted use pesticides, this manual describes the types of ground and aerial pesticide application equipment, its calibration, safe use, and maintenance. It discusses pesticide formulations and compatibility and provides conversion factors for units of measurement.

*NAL Call No.:* S694.E6

### **Ground water and agricultural chemicals : understanding the issues.**

American Soybean Association; National Corn Growers Association.

[St. Louis, Mo.?] : American Soybean Association : National Corn Growers Association, c1988. 1 videocassette (17 min., 40 sec.) : sd., col. ; 1/2 in.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* This videotape defines groundwater, identifies types of pollutants, and stresses the importance of the pesticide applicator's (the farmer's) responsibility to protect ground water from contamination by proper application and safe use of agricultural chemicals. It demonstrates how to



## PATC aerial pest control

reduce risks of groundwater contamination by preventing back siphoning, protecting existing well heads, pressure or triple rinsing of containers, using leak free containers, securing pesticides during transport and properly mixing, loading, handling and storing pesticides away from wells and water supplies.

*NAL Call No.:* Videocassette no.924

### **Pattern your AG spray plane.**

Huitink, Gary.

University of Arkansas, Fayetteville. Cooperative Extension Service; United States. Dept. of Agriculture.

[Fayetteville, Ark.] : Cooperative Extension Service, University of Arkansas Division of Agriculture, [1980?]. 12 p. : ill. ; 28 cm.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control

*Abstract:* This publication for aerial applicators explains how to perform a quick spray pattern test method using a visual analysis technique to estimate spray uniformity, droplet size, and effective swath width and thereby improve pesticide deposition.

*NAL Call No.:* SB953.H84

### **Pesticide applicator training : [aerial pest control].**

Purdue University.

[West Lafayette, Ind.] : Purdue University, [1988?]. 1 v. (various pagings) : ill. ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC aerial pest control

*Abstract:* This aerial pest control training manual includes materials on the aerial application of agricultural chemicals and pesticide sprays and on equipment calibration of liquid and dry systems. Other major topics are safety and environmental protection, specifically reducing pesticide application drift problems.

*NAL Call No.:* SB951.P4633

### **Pesticide equipment.**

Gardisser, Dennis R.

University of Arkansas, Fayetteville. Cooperative Extension Service.

[Fayetteville, Ark.?] : Cooperative Extension Service, University of Arkansas, [198-?]. 7 p. ; 28 cm.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC right-of-way pest control; PATC aerial pest control; PATC demonstration, research

*Abstract:* The purpose of the Arkansas pesticide equipment notes is to guide highway department pesticide applicators in the selection of appropriate herbicide equipment and sprayer components and the proper calibration of sprayers. This information is also useful for growers, aerial pesticide applicators and individuals who demonstrate the use of pesticides.

*NAL Call No.:* S694.G3

### **Professional standards for aerial application of pesticides in California.**

Taylor, John E.

California Agricultural Aircraft Association; Human Resources Research Organization.

Sacramento, Calif. : CAAA, 1984. 2 v. (80; vi, 369 p.) : ill. ; 23 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC aerial pest control; PATC private sector produced material

*Abstract:* This California Agricultural Aircraft Association manual establishes and promotes 39 performance standards and good practices to enhance job performance of aerial pesticide applicators. They cover planning, conducting and cleaning up operations; mixing/loading equipment; transporting, storing, and handling pesticides; preventing and managing spills; training applicators; posting fields; and disposing of hazardous wastes. This manual contains a Preferred Reading List and a glossary and it is accompanied by a technical appendix.

*NAL Call No.:* SB953.P73

### **Protecting our groundwater : a grower's**

## PATC aerial pest control

### guide.

Park Ridge, Ill. : American Farm Bureau Federation, [1987?]. 8 p. : ill. ; 28 cm.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC right-of-way pest control; PATC forest pest control; PATC aerial pest control; PATC demonstration, research

*Abstract:* This guide discusses the five major factors growers need to consider when applying agricultural chemicals to reduce the potential for groundwater contamination. These include following proper pesticide application practices, assessing surface water, knowing the pesticide's characteristics and potential for mobility, the soil type in the area of application, and the location of groundwater and the type of geological formations above it.

*NAL Call No.:* TD403.P76

### Recommended chemicals for weed and brush control.

Baldwin, Ford L. . [Rev. ed.].

[Little Rock, Ark.?] : Cooperative Extension Service, University of Arkansas, and U.S. Dept. of Agriculture, and county governments cooperating, 1990. 104 p. : ill. ; 23 x 31 cm. -- MP (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 44.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC forest pest control; PATC aerial pest control; PATC demonstration, research

*Abstract:* This chart formatted publication summarizes 1990 recommendations for use of herbicides for weed and brush control in Arkansas conforming with federal and state regulations. Contains trade name cross reference chart; chart of common, chemical, and trade name, formulation and manufacturer; charts indicating crop, situation, active chemical and formulated material per broadcast acre, weeds controlled, time and method of application and precautions; herbicide response rating tables. Supporting text on herbicide applica-

tion guidelines and spray additives. Highlights trial or limited use herbicides.

*NAL Call No.:* 275.29 Ar4Mi no.44 1990

### Recommended chemicals for weed and brush control.

Baldwin, Ford L.; Boyd, John W. 1949-; Tripp, Timothy.

University of Arkansas, Fayetteville. Cooperative Extension Service; University of Arkansas, Fayetteville. Agricultural Experiment Station; United States. Dept. of Agriculture. [Rev. ed.].

[Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, and U.S. Dept. of Agriculture, and county governments cooperating, [1988]. 98 p. : ill. ; 23 x 31 cm. -- MP (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 44.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC forest pest control; PATC aerial pest control; PATC demonstration, research

*Abstract:* This chart formatted publication summarizes 1988 recommendations for use of herbicides for weed and brush control in Arkansas conforming with federal and state regulations. Contains trade name cross reference chart; chart of common, chemical, and trade name, formulation and manufacturer; charts indicating crop, situation, active chemical and formulated material per broadcast acre, weeds controlled, time and method of application and precautions; herbicide response rating tables. Supporting text on herbicide application guidelines and spray additives. Highlights trial or limited use herbicides.

*NAL Call No.:* 275.29 Ar4Mi no.44 1988

### Rice diseases and their control.

McDaniel, M. C.; Huey, Bobby A.

University of Arkansas, Fayetteville. Cooperative Extension Service. [Rev.].

[Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture, and county governments cooperating, [1988]. 1 folded sheet (12 p.) ; 23 x 11 cm. -- EL (University of Arkansas, Fayetteville. Cooperative Extension Service)



## PATC aerial pest control

sion Service) ; 198.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC demonstration, research

*Abstract:* Disease causing organisms, symptoms and control of major and other rice diseases in Arkansas are covered in this leaflet.

*NAL Call No.:* 275.29 Ar4Le no.198 1988

### **Summary of pesticides (fungicides, bactericides, and nematicides) suggested for plant disease control on major crops in Arkansas.**

McDaniel, M. C.

[Little Rock, Ark.?] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture, and County Governments Cooperating, [1990].

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC demonstration, research

*Abstract:* This compilation of pesticides suggested for plant disease control on major crops in Arkansas contains information for use by pesticide formulators, distributors, dealers, and county Extension agents. Crops are grouped and listed alphabetically with the disease, treatment materials and rate per acre application formula. A list of available publications from the state and county Extension offices targeting specific crops or pests in more detail is supplied. There are cross-reference indexes of pesticide trade names, chemical names, and manufacturers.

*NAL Call No.:* 275.29 Ar4Mi no.154

### **Whip rice aerial application handbook.**

Hoechst-Roussel Agri-Vet Company.

Somerville, N.J. : Hoechst-Roussel Agri-Vet Company, [1988?]. 1 v. (various pagings) : ill., col. maps ; 30 cm.

*Place of publication:* New Jersey. *Language:* English.

*Descriptors:* PATC private sector produced mate-

rial; PATC plant agricultural pest; PATC aerial pest control; PATC pesticide dealers and distributors

*Abstract:* This manual for aerial applicators of pesticides presents a technical overview of rice production and proper application techniques for Whip IEC Herbicide. It includes sections on rice insect pest and weed identification and control; nozzles and strainers; and spray drop formation, drift and coverage. A weed seedling identification booklet, rice herbicide labels, and section review questions are provided.

*NAL Call No.:* SB951.4.W43

## PATC agricultural worker

### PATC agricultural worker

**Be safe with pesticides : this poster will tell you about pesticides and how to be safe with pesticides at work and at home = Use pesticidas con cuidado : este cartel le dar a información sobre los pesticidas y como usarlos con cuidado en el trabajo y en la casa.**

United States. Environmental Protection Agency; Florida Cooperative Extension Service. Gainesville, Fla. : The Service ; The Agency, [198-?].

Washington, D.C. 1 wall chart : col. ; 71 x 56 cm.

*Place of publication:* Florida. *Language:* English and Spanish.

*Descriptors:* PATC agricultural worker

*Abstract:* Poster uses individual graphics to explain modes of entry of pesticides into body, work practices to prevent contamination or poisoning, meaning of re-entry intervals, and fieldworkers' rights under existing EPA pesticide worker safety regulations. For agricultural workers.

*NAL Call No.:* Graphic no.245

### **Farmwork pesticide safety program : Uso seguro de pesticidas para los trabajadores del campo.**

United States. Environmental Protection Agency; University of Florida. Institute of Food and Agricultural Sciences.

Gainesville, Fla. : IFAS ; U.S. Environmental Protection Agency, [198-?].

Washington, D.C. 1 videocassette (ca. 60 min.) : sd., col. ; 1/2 in. + 1 English language leader's guide + 1 Spanish language leader's guide + 1 script + 14 flash cards + 1 pamphlet + 3 label cards.

*Place of publication:* Florida. *Language:* English and Spanish.

*Descriptors:* PATC agricultural worker

*Abstract:* Series of three slide/tape shows on video. Part 1, "Introduction and Pesticide Safety Program" covers concepts of toxicity level, label signal words, first aid and reentry. Part 2, "First Aid and Preven-

tion" covers pesticide poisoning symptoms and first aid, using a case study format. Part 3, "Daily Living With Pesticides" explains routes of exposure, precautions for poisoning prevention, laundering contaminated clothing, and safe household pesticide use. Supplemented by a script, leader's guide in English and Spanish and accompanying flashcards and pamphlet. For agricultural workers.

*NAL Call No.:* Videocassette no.913

### **First aid for pesticide poisoning.**

Criswell, Jim T.

[Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, [1989]. -- OSU extension facts ; no. 7453.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Covers label reading, symptoms of poisoning, cholinesterase tests, first aid for poisoning, and specific antidotes. For certified applicators, agricultural workers, non-certified applicators, the general public and health providers.

*NAL Call No.:* S544.3.O5O5 no.7453

### **How to use your right to know chemical hazards : a guide to the new hazard communication standards.**

McAteer, J. Davitt; Lawson, Dale.

Occupational Safety and Health Law Center. 1st ed.

Washington, D.C. : Occupational Safety and Health Law Center ; Pilgrim Press, [1986].

[New York, N.Y.] 75 p. ; 20 cm.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* This book describes in detail the Hazard Communication Standard in language easily under-



## PATC agricultural worker

stood by worker, grower, or applicator. It simplifies the federal requirement and systematically reviews the standard and its requirements. For agricultural workers, growers, certified applicators, non-certified applicators, and the general public.

*NAL Call No.:* T55.3.H3M3 1986

### Information for fire fighters on pesticide fires.

University of Massachusetts at Amherst. Cooperative Extension.

[Amherst, Mass.?] : University of Massachusetts, Cooperative Extension, U.S. Dept. of Agriculture and Massachusetts counties cooperating, [1986?]. [2] p. ; 28 cm. -- L (University of Massachusetts at Amherst. Cooperative Extension) ; 244.

*Place of publication:* Massachusetts. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Covers usual pesticide storage locations, hazards of combustion and explosion, and protective measures used to avoid illness or injury while fighting a pesticide fire and to prevent causing environmental damage afterwards. Reference telephone numbers for Massachusetts provided. For agricultural workers, growers, certified applicators, non-certified applicators and firefighters.

*NAL Call No.:* TH9446.H38I5

### Limit exposure to pesticides : tractor spray cabs and protective clothing help reduce exposure.

Dow Chemical Company.

[United States? : Dow Chemical Co., 1986?]. [2] p. : 1 ill. ; 28 cm.

*Place of publication:* United States (state is not known). *Language:* English.

*Descriptors:* PATC agricultural worker

*Abstract:* This journal article examines the human body's absorption of pesticides. Measuring an individual's blood plasma cholinesterase levels can be a key indicator in determining the amount of exposure to organophosphate (OP) chemicals

which may cause health problems. Safety recommendations and preventive measures, especially protective clothing, are emphasized.

*NAL Call No.:* SB952.5.L5

### Names, manufacturers, & toxicities of pesticides.

Morgan, Edna Ruth.  
[Mississippi State, Miss.] : Cooperative Extension Service, Mississippi State University, [1987?]. 32 p. ; 28 cm. -- Publication (Mississippi State University. Cooperative Extension Service) ; 1219.

*Place of publication:* Mississippi. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Cross referenced listing of selected pesticides, pests they should control, producers, and oral and dermal acute toxicity (LD50) and national and Mississippi emergency numbers. For agricultural workers, growers, certified applicators, non-certified applicators, and the general public.

*NAL Call No.:* 275.29 M68Ext no.1219

### North Carolina pesticide laws and regulations.

Wilson, John H. 1933-.  
North Carolina. Dept. of Agriculture; North Carolina Agricultural Extension Service. Rev. July, 1989.

[Raleigh, N.C.] : N.C. Dept. of Agriculture and N.C. Agricultural Extension Service, [1989]. 119 p. : ill. ; 28 cm.

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC pesticide dealers and distributors; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Covers North Carolina laws regulating use of restricted pesticides, pesticide handling and disposal, and applicator licensing. For agricultural workers, growers, certified applicators, and non-certified applicators.

## PATC agricultural worker

NAL Call No.: KFN7780.P4A82 1989

### **Persistence and mobility of pesticides in soil and water.**

McBride, Dean K; Peterson, Dallas E.; Lamey, H. Arthur.

Fargo, N.D. : NDSU Extension Service, North Dakota State University, [1988]. 7 p. ; 28 cm. -- Extension bulletin (NDSU Extension Service) ; no. 49.

*Place of publication:* North Dakota. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Provides information on factors involved in pesticide movement to groundwater. Includes charts rating persistence and mobility of certain pesticides in soil. For agricultural workers, growers, certified applicators, non-certified applicators and the general public.

NAL Call No.: S544.3.N9N6 no.49

### **Pesticides : a guide for farm workers.**

National Association of Farmworker Organizations (U.S.); Natividad Medical Center. Family Practice Dept; California Institute for Rural Studies. California version.

Davis, Calif. : California Institute for Rural Studies [distributor] ; National Association of Farmworker Organizations [distributor], [1982?].

Washington, D.C. 105 slides : col. + 1 sound cassette (15 min.) + 1 script.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC agricultural worker

*Abstract:* Slideshow provides basic information for agricultural workers to use to avoid pesticide contamination. Uses of agricultural chemicals, how they are applied, and how one may become poisoned are explained. Features interviews with a poisoned worker and a doctor and stresses workers' rights to protection and medical treatment. California and National versions both available.

NAL Call No.: Slide no.348

### **Pesticides : how they work, personal safety and emergency measures.**

Osmun, John V.; Hollingworth, Robert M., 1939-.

Purdue University. Cooperative Extension Service. Rev. 7/89.

West Lafayette, Ind. : Purdue University Cooperative Extension Service, 1989. 16 p. : ill. ; 28 cm. -- E (Purdue University. Cooperative Extension Service) ; 62.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Discusses principles of pesticide toxicity, hazards and routes of exposure. Also covers pesticide poisoning symptoms, first aid and safety tips. For agricultural workers, growers, certified applicators, non-certified applicators and the general public.

NAL Call No.: SB844.I6P8 no.62 1989

### **Pesticides in agriculture : learn your rights and protect your health = Pesticidas en la agricultura : conozca sus derechos y proteja su salud.**

Santiago, Nancy.

Trenton, N.J. : New Jersey Dept. of Environmental Protection, Division of Environmental Quality, Pesticide Control Program, [1986?]. 10, 10 p. : ill. ; 22 cm.

*Place of publication:* New Jersey. *Language:* English and Spanish.

*Descriptors:* PATC agricultural worker

*Abstract:* General information for farm workers on regulations and laws for farm workers in New Jersey. Explains how to make an effective complaint to state authorities about unsafe pesticide use and gives some information on poisoning symptoms. Available in English or Spanish. For agricultural workers and growers.

NAL Call No.: SB952.5.S35



## PATC agricultural worker

### **Prevention and treatment of pesticide poisoning.** Jennings, Bringle; Fant, Charlotte Mills. . [Rev].

[Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, 1989. -- MP (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 198.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Covers first aid and emergency response for pesticide poisoning including preparation of appropriate first aid kits. Includes Arkansas Poison Control Center numbers. For agricultural workers, growers, certified applicators, non-certified applicators, and the general public.

*NAL Call No.:* 275.29 Ar4Mi no.198 1989

### **Safe work : healthy babies = Trabajos sin riesgos : niños sanos.**

Macias-Ray, Maricela.

Birth Defects Prevention Project; North County Health Services (San Diego County, Calif.).

San Marcos, Calif. : North County Health Services, [198-?]. 1 videocassette (28 min.) : sd., col. ; 1/2 in. + 1 spiral-bound booklet + 4 handouts in Spanish + 4 handouts in English.

*Place of publication:* California. *Language:* English and Spanish.

*Descriptors:* PATC agricultural worker

*Abstract:* This English/Spanish videotape, accompanying spiral-bound booklet, and four handouts inform women how to protect themselves and their unborn child before and during pregnancy from chemicals at work and at home. It is directed towards women who work in greenhouses, nurseries, fruit and vegetable packing plants, and manufacturing firms, and female agricultural and domestic workers. These materials provide information on pesticides, herbicides, and toxic substances; labels; avenues and hazards of chemical exposure; protective clothing; recognizing pesticide

poisoning symptoms; and handling toxic exposure. This model educational program is designed to help prevent birth defects in the Latino Community.

*NAL Call No.:* Videocassette no.919

### **Training greenhouse workers to handle pesticides safely.**

Zavala, Melanie.

University of California, Davis. Visual Media; University of California, Davis. Office of Pesticide Information and Coordination.

[Davis, Calif.] : Visual Media, Division of Agriculture and Natural Resources, University of California, Davis, c1986. 1 videocassette (16 min.) : sd., col. ; 1/2 in.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC agricultural worker; PATC non-certified applicator; PATC ornamental, turf pest control

*Abstract:* This video is aimed at non-certified pesticide applicators and is designed to provide them with part of the training they need in order to handle pesticides safely. The video can also be of use for greenhouse workers who have only indirect exposure to pesticides. The presentation covers entry of pesticides into the body, poisoning symptoms, protective clothing and equipment, emergency procedures, and common sense protective measures. It also discusses some of the potential dangers of pesticide use in a greenhouse situation and how they can be avoided. This video was developed under a grant from the U.S. Environmental Protection Agency.

*NAL Call No.:* Videocassette no.362

### **Training greenhouse workers to handle pesticides safely (Japanese ed.)**

Zavala, Melanie; Singleton, Robert.

University of California, Davis. Visual Media.

[Davis, Calif.] : Visual Media, Division of Agriculture and Natural Resources, University of California, Davis, [1986]. 1 videocassette (VHS) (16 min.) : sd., col. ; 1/2 in.

*Place of publication:* California. *Language:* English and Japanese.

## PATC agricultural worker

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator; PATC ornamental, turf pest control; PATC agricultural worker

*Abstract:* This video is aimed at non-certified pesticide applicators. It is designed to provide them with part of the training they need in order to handle pesticides safely. The video can also be of use for greenhouse workers who have only indirect exposure to pesticides. The presentation covers entry of pesticides into the body, poisoning symptoms, protective clothing and equipment, emergency procedures, and common sense protective measures. It also discusses some of the potential dangers of pesticide use in a greenhouse situation and how they can be avoided. This video was developed under a grant from the U.S. EPA.

*NAL Call No.:* Videocassette no. 677

**Work smart-- work safely-- with farm chemicals : Trabajo concientemente--trabaje con cautela-- cuando trabaje con productos químicos para la agricultura.** National Agricultural Chemicals Association. Washington, D.C. : National Agricultural Chemicals Association, [1985?]. 1 v. (unpaged) : ill. ; 22 cm.

*Place of publication:* District of Columbia. *Language:* English and Spanish.

*Descriptors:* PATC agricultural worker; PATC non-certified applicator; PATC private core training

*Abstract:* This English/Spanish booklet prepared by NACA briefly outlines and illustrates do's and don'ts for working with farm chemicals in the field. It covers safety tips for field workers and their families and for handling exposure to pesticides.

*NAL Call No.:* S585.8.W6

## PATC animal agricultural pest

### Agricultural animal pest control : pests of agricultural animals.

Rev. March 1982.

Athens, Ga. : Cooperative Extension Service, The University of Georgia, College of Agriculture, 1982. 14 p. : ill. ; 28 cm. + appendix (24 p. : ill. ; 28 cm.). -- Special bulletin (University of Georgia. Cooperative Extension Service) ; no. 19.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC animal agricultural pest

*Abstract:* This training manual prepares individuals desiring certification in agricultural animal pest control in Georgia for the state examination in this category. It covers the life cycles of livestock pests and the pesticides used to control them. Hazards and the importance of the animal's age, size and health when applying pesticides are discussed.

*NAL Call No.:* SB950.A1S62 no.19 1982

### Agricultural animal pest control, manual 90.

Missouri. State Dept. of Agriculture; University of Missouri--Columbia Extension Pesticide Training Team; University of Missouri--Columbia. Cooperative Extension Service. Rev. February 1983.

[Columbia, Mo.] : University of Missouri, Cooperative Extension Service, 1983. ii, 25, [2], 6 p. : ill. ; 28 cm.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC animal agricultural pest

*Abstract:* This training manual provides the information needed to prepare for the pesticide applicator certification exam in animal pest control in the state of Missouri. Pesticide hazards, toxicity and allergic reaction symptoms of agricultural animals exposed to pesticides are discussed. An insert about the Manitoba horse fly trap and a chart cross referencing the active chemical pesticide ingredient with pesticide formulations, use patterns, and possible hazards folds out for easy reference.

*NAL Call No.:* SB950.2.M8A4 1983

### Agricultural pest control--animal.

University of California (System). Division of Agricultural Sciences.

Berkeley, Calif. : University of California, Division of Agricultural Sciences, [1982]. 7 p. : ill. ; 28 cm. -- Leaflet (University of California (System). Division of Agricultural Sciences) ; 21000.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC animal agricultural pest

*Abstract:* This publication designed as preparation for certification provides information on common agricultural animal pests and pesticides used to control them. Drawings aid pest identification.

*NAL Call No.:* S544.3.C2C3 no.21000 1982

### Animal pest control : category 1B.

Brooks, Leroy; Caley, Homer K.

Kansas State University. Cooperative Extension Service.

Manhattan, Kan. : Cooperative Extension Service, Kansas State University, 1980. 15 p. : ill. ; 28 cm.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC commercial core training; PATC animal agricultural pest

*Abstract:* Common pests of beef cattle, dairy cattle, sheep, swine, horses, mules, donkeys, and poultry and pest control methods are discussed in this commercial applicator certification study manual. It contains pesticide safety recommendations, multiple choice study questions, and drawings of agricultural animal pests.

*NAL Call No.:* SF810.A3B7

### Animal pest control : category 1E.

Holscher, Ken; Wintersteen, Wendy.

Iowa State University. Cooperative Extension Service. [Rev.].

Ames, Iowa : Iowa State University Extension, 1989. 20 p. : ill. ; 28 cm.

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC animal agricultural pest



## PATC animal agricultural pest

*Abstract:* Designed to be used in conjunction with the Iowa Core Manual, IC-445, this supplemental commercial applicator certification training manual contains information on pests of agricultural animals (cattle, swine, sheep, goats, horses, mules, donkeys, and poultry) and their control, animal predators, pesticide safety, toxicity, formulations, and potential residues.

*NAL Call No.:* SF810.A3D42 1989

### **Farm chemical safety is in your hands.**

National Agricultural Chemicals Association. Rev. [Washington, D.C.] : Produced for NACA by Farmland Industries, [1989?]. 1 videocassette (12 min., 26 sec.) : sd., col. ; 1/2 in.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC animal agricultural pest; PATC plant agricultural pest; PATC demonstration, research; PATC private sector produced material

*Abstract:* This NACA videotape presents the basics for handling farm chemicals safely. It discusses toxicity and exposure using the equation "RISK = TOXICITY x EXPOSURE." The videotape demonstrates how to handle pesticides properly by following label precautions and instructions, by selecting, wearing, and caring for appropriate protective clothing and equipment, and by practicing good hygiene habits in the field and at home.

*NAL Call No.:* Videocassette no.761

### **Illinois pest control handbook.**

University of Illinois at Urbana-Champaign. Cooperative Extension Service; Illinois. Natural History Survey Division. [Urbana, Ill.] : Cooperative Extension Service, University of Illinois at Urbana-Champaign, 1986-. v. : ill. ; 28 cm.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC animal agricultural pest; PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control

*Abstract:* The Illinois Pest Control Handbook, a compilation of detailed information on pests (insects, plants, animals, fungi, and nematodes) and pesticides (herbicides, insecticides, fungicides, nematicides and restricted-use pesticides), informs the applicator how to develop strategies for integrated pest management. It covers pests of field crops and livestock, vegetable crops, ornamentals and turf, homes, yards, and gardens. Many tables cross reference pest problems with recommended pest management guidelines which include control methods instructions, pesticides and treatments. The handbook is revised annually.

*NAL Call No.:* SB950.2.I3I46

### **Integrated pest management for beef cattle on western ranges.**

Stoltz, Robert L. [Moscow, Idaho] : Cooperative Extension Service, University of Idaho, College of Agriculture, [1989].

*Place of publication:* Idaho. *Language:* English.

*Descriptors:* PATC animal agricultural pest

*Abstract:* The object of this Idaho guide is to help cattle ranchers develop an economical and practical integrated pest management program for controlling pests that affect cattle. Identification information and treatments of insects, mites and ticks affecting cattle are given. Identification guidelines and control management strategies for poisonous and noxious plants on cattle ranges are included. Control of vertebrate pests is discussed but no recommendations are made.

*NAL Call No.:* 100 Id14 no.702

### **Livestock pest training manual.**

Montana. Dept. of Agriculture. Helena, Mont. : Montana Dept. of Agriculture, 1981. ii, 36 p. : ill. ; 28 cm.

*Place of publication:* Montana. *Language:* English.

*Descriptors:* PATC animal agricultural pest

*Abstract:* Detailed information on the recognition and biology of major insect and related pests of livestock and poultry in Montana is presented in this manual for commercial and private applicators. It also discusses strategies used to treat

## PATC animal agricultural pest

and control these pests.

*NAL Call No.:* SB950.2.M9L59

### **Livestock pests : study guide.**

Antonelli, Arthur L.; Thomasson, Gary L.  
Washington State University. Cooperative Extension.

Pullman, Wash. : Cooperative Extension, College of Agriculture & Home Economics, Washington State University, 1984. 24 p. ; 28 cm.

*Place of publication:* Washington. *Language:* English.

*Descriptors:* PATC animal agricultural pest

*Abstract:* The Livestock Pest Study Guide prepares pesticide applicators for the Washington state licensing examination. Pests that can harm cattle, poultry, sheep, horses, swine and other farm animals are described. Chemical, as well as preventive (quarantine and sanitation) methods of control are addressed. Control techniques and recommendations are pest specific.

*NAL Call No.:* SF810.A3L59

### **Pest management principles for the commercial applicator : animal pest control.** Scholl, Phil.

University of Wisconsin--Extension. 1st ed.  
[Madison, Wis. : University of Wisconsin--Extension, 1990]. vi, 161 p. : ill. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training;  
PATC animal agricultural pest

*Abstract:* Training manual for commercial pesticide applicators in the animal pest control category. Major topics: pest management principles for control of pests on livestock and companion animals; toxicity of pesticides; protecting human health and the environment; disposal; application methods and equipment calibration; and label information.

*NAL Call No.:* SB950.2.W6P46 1990

### **Pest management principles for the commercial applicator : animal pest control study guide.**

Scholl, Phil.

University of Wisconsin--Extension. 1st ed.  
[Madison, Wis. : University of Wisconsin--Extension, 1990]. 24 p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC animal agricultural pest

*Abstract:* This study guide accompanies Pest Management Principles for the Commercial Applicator: Animal Pest Control. It contains multiple choice questions and answers on subject matter presented in the training manual.

*NAL Call No.:* SB950.2.W6P462 1990

### **Pesticide application and safety training study guide : outdoor vertebrate pest control.** Metro-Pest Management Consultants, Inc.; Colorado. Division of Plant Industry. [Denver, Colo.] : Colorado Dept. of Agriculture, Division of Plant Industry, [1980]. 1 v. (various pagings) : ill. ; 28 cm.

*Place of publication:* Colorado. *Language:* English.

*Descriptors:* PATC animal agricultural pest

*Abstract:* This Colorado study guide/manual contains the educational information needed by the pesticide applicator to pass the written state licensing examination in the agricultural-livestock pests category. The pests of cattle, sheep, horses, swine, and poultry are listed and illustrated and suggested control techniques and strategies for each individual host/pest situation are given. Wettable powders, animal systemic insecticides, spraying, dip vats, back rubber, dust and pour-on techniques of pesticide application are described. Dilution tables and formulas are given. Colorado State Extension Service Offices' addresses and the Rocky Mountain Poison Control Center toll free telephone number are listed.

*NAL Call No.:* SB993.44.C6P47

### **Pesticide applicator training : [agricultural pest control-- animal].**

Purdue University.

West Lafayette, Ind. : Purdue University, [198-?]. 1 v. (various pagings) : ill. ; 30 cm.



## PATC animal agricultural pest

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC animal agricultural pest

*Abstract:* This manual prepares commercial pesticide applicators for animal agricultural pest control certification. It discusses common insect pests, mites, ticks, animal predators and vertebrate pests of cattle, sheep and goats, swine, horses, mules, donkeys and poultry and their control. Pesticide safety, proper application techniques, and hazards are discussed. An insecticide guide, an insecticide dilution table, and solved calibration problems are included.

*NAL Call No.:* SB951.P4622

**Pesticides for livestock and farm buildings.** Ohio State University. Cooperative Extension Service. Rev.

[Columbus, Ohio] : Ohio Cooperative Extension Service, Ohio State University, c1987. 24 p. : ill. ; 28 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 473.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC animal agricultural pest

*Abstract:* This bulletin contains pesticide recommendations intended to be used by pesticide applicators as a guide to controlling pests of livestock (cattle, sheep, swine and horses) in and around farm buildings. It includes information on mechanical and biological fly control, pesticide safety tips and a list of Ohio Poison Control Centers.

*NAL Call No.:* 275.29 OH32 no.473 1987

**Pesticides for poultry and poultry buildings.** Ohio State University. Cooperative Extension Service. Rev.

[Columbus, Ohio] : Ohio Cooperative Extension Service, Ohio State University, c1987. 12 p. : ill. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC animal agricultural pest

*Abstract:* Cultural, biological, mechanical and chemical control of flies in and around poultry houses, chemical control of the darkling beetle

(lesser mealworm) and pesticide application treatment devices are discussed in this bulletin.

*NAL Call No.:* SF494.5.P47 1987

**Training material for commercial/non-commercial pesticide applicators. 1b, Agricultural animal.**

Oklahoma State University. Cooperative Extension Service.

[Stillwater, Okla.] : Cooperative Extension Service, Oklahoma State University, 1987]. 1 portfolio : ill. ; 34 cm.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC animal agricultural pest

*Abstract:* This packet of material, used to assist in preparation for certification, contains brochures and publications on topics such as safety, pesticide law, and biology of animal pests. Specific product recommendations and application rates are included.

*NAL Call No.:* SB950.2.O5T7

**Treatment of honey bees : using fluvalinate (Apistan) to detect and control the Varroa mite.**

Gojmerac, Walter L.

Madison, Wis. : University of Wisconsin-Extension, Cooperative Extension, 1988. iv, 59 p. : ill., forms ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC animal agricultural pest

*Abstract:* Training manual for private and/or commercial pesticide applicators who desire to use Apistan under the EPA emergency exemption to treat honey bees infested with Varroa mites. Major topics: emergency exemption requirements; life cycle of the Varroa mite; control options; detecting and treating the Varroa mite; toxicity of pesticides; protecting human health and the environment; Apistan disposal; and label information.

*NAL Call No.:* SF538.5.V3T7

## PATC anti-fouling paint pest control

### PATC anti-fouling paint pest control

#### Certification training for safe handling and use of antifouling paints containing tributyltin (TBT).

National Paint and Coatings Association.

[Washington, D.C.?] : The Association, [1990]. 1 v. (various pagings) : ill. ; 28 cm.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC anti-fouling paint pest control

*Abstract:* This certification training manual on antifouling paints containing tributyltin, developed by the National Paint Control Association, provides modules on laws and regulations, label and labeling, safety, storage, handling and disposal, environmental effects, pesticidal properties and application techniques. Study questions follow each module.

*NAL Call No.:* VM961.C47

#### Pest management principles for the commercial applicator : using tributyltin (TBT) antifouling paint.

Bergman, Ed; Neher, Nick; Flashinski, Roger. . 1st ed.

[Madison, Wis. : University of Wisconsin-Extension, 1990]. iv, 65 p. : ill. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC anti-fouling paint pest control

*Abstract:* Training manual for commercial pesticide applicators using antifouling paints containing tributyltin. Major topics: using antifoulant paints; toxicity of pesticides; protecting human health and the environment; disposal; application techniques; and label information.

*NAL Call No.:* VM961.B47 1990

#### Pesticide applicator's training manual for safe handling and use of antifouling paints containing tributyltin (TBT).

[Minnesota : s.n, 1987?]. 25 p. : ill. ; 28 cm.

*Place of publication:* Minnesota. *Language:* English.

*Descriptors:* PATC anti-fouling paint pest control

*Abstract:* This manual, intended for use with the Minnesota Core Pesticide Applicator Manual, outlines procedures for the safe use, handling and disposal of TBT (tributyltin) antifouling paints. Sample labels and true/false, multiple choice and fill-in-the-blank study guide questions and answers are provided. Chapters cover marine fouling organisms and TBT's pesticidal properties, understanding the pesticide label, application techniques, recordkeeping requirements, and health and safety concerns.

*NAL Call No.:* SB952.86.P4

#### [Study materials for pesticide applicator certification].

Connecticut. Dept. of Environmental Protection. Hartford, Conn. : State of Connecticut, Dept. of Environmental Protection, [1990?]. 1 v. : ill. ; 28 cm.

*Place of publication:* Connecticut. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC institutional, structural pest control; PATC forest pest control; PATC fumigation; PATC anti-fouling paint pest control

*Abstract:* Information for commercial supervisory or operational license applicants, procedures for taking examinations, and categorical lists of helpful materials to use in preparing for pesticide applicator certification examinations in Connecticut are included in this packet.

*NAL Call No.:* SB952.86.S7



## PATC aquatic pest control

### PATC aquatic pest control

#### **The 1/128th of an acre calibration method broadcast spraying.**

University of Florida. Institute of Food and Agricultural Sciences.

[Gainesville, Fla. : IFAS, University of Florida, 1987?]. 1 portfolio : ill. ; 28 cm.

*Place of publication:* Florida. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC demonstration, research

*Abstract:* Florida's pesticide applicator calibration training program on the 1/128th of an acre method includes lecture notes, overhead masters, worksheets and a fact sheet with calibration formulas, problems and solutions.

*NAL Call No.:* SB953.O5

#### **Aquatic.**

[Minnesota? : s.n, 1987?]. 133 p. : ill. ; 28 cm.

*Place of publication:* Minnesota. *Language:* English.

*Descriptors:* PATC aquatic pest control

*Abstract:* This manual is a compilation of the state of Minnesota, Department of Natural Resources Commissioner's Order No. 2210, regulations covering aquatic nuisance control permits; a simple application form for aquatic nuisance control permit; instructions for posting "NOTICES" of chemical treatment; a current list of MnDNR "approved" pesticides; and information leaflets about water plants, aquatic vegetation control, algae control, purple loosestrife, leeches, and lake rehabilitation management. Sample labels and cautions printed by manufacturers for pesticides approved for use in Minnesota are included. Sample aquatic pesticide applicator multiple choice examination questions and answers are provided.

*NAL Call No.:* SB952.863.M6A6

#### **Aquatic pest control.**

French, C. Michael; Lewis, George W.; Jackson,

Jeffrey J.

University of Georgia. Cooperative Extension Service. Rev.

Athens, Ga. : Cooperative Extension Service, University of Georgia, College of Agriculture, [1987?]. 20 p. : ill. ; 28 cm. -- Special bulletin (University of Georgia. Cooperative Extension Service) ; 9.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC aquatic pest control

*Abstract:* The subject of this manual is aquatic pest control. It contains information on aquatic weeds including line drawings, water chemistry and types, uses of aquatic pesticides, and the environmental impact of treatment measures on wildlife and water quality.

*NAL Call No.:* SB950.A1S62 no.9 1987

#### **Aquatic pest control : category 5.**

Nilson, Erick B.; Klaassen, Harold E.

Kansas State University. Cooperative Extension Service.

Manhattan, Kan. : Cooperative Extension Service, Kansas State University, [1987]. 20 p. ; 28 cm.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC aquatic pest control

*Abstract:* This manual for commercial pesticide applicators covers aquatic pests (weeds, vertebrate and invertebrate pests, fish parasites and diseases) and their control. It contains names of herbicide products and manufacturers, formulas for calculating area, volume, and flow, multiple choice study questions, references and contact persons for additional information.

*NAL Call No.:* SB614.N5 1987

#### **Aquatic pest control : category 5 : a guide for commercial pesticide applicators.**

Hartzler, Robert; Morris, Joe; Wintersteen, Wendy.

Rev. November 1990.

Ames, Iowa : Iowa State University Extension, [1990]. 15 p. : ill. ; 28 cm.

*Place of publication:* Iowa. *Language:* English.

## PATC aquatic pest control

*Descriptors:* PATC aquatic pest control

*Abstract:* Designed to be used with the Iowa Core Manual, this commercial pesticide applicators training manual covers aquatic pest control. A reference chart of registered aquatic chemicals is given, referencing their control efficiencies. Formulas for calibrations, formulas for area, and surface area calculations are given. Self study work sheets are included.

*NAL Call No.:* SB614.H3 1990

### **Aquatic pest control : pesticide applicator manual.**

Nesheim, O. Norman; Altman, R. W. . 1985 ed. [Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, 1985. 46, [1] p. : ill., form ; 28 cm.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC aquatic pest control

*Abstract:* This manual covers general information on aquatic ecosystems, control methods of aquatic weeds, herbicide formulations (no specific products mentioned), and equipment specifications and calibration. Helpful charts and formulae are appended.

*NAL Call No.:* SB950.2.O5A65 1985

### **Aquatic pest control, manual 99.**

Jarman, James.

Rev. November 1987.

Columbia, Mo. : University Extension, University of Missouri, 1987. 1 v. (various pagings) : ill. ; 28 cm.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC aquatic pest control

*Abstract:* This training manual is designed to prepare commercial applicators in Missouri for the aquatic pest control certification examination. It includes information on aquatic plants including algae and the four forms of macrophytes (larger rooted plants) and on aquatic insects as well as non-chemical and chemical methods for controlling aquatic weeds and insects. Tables of herbicide recommendations for aquatic weeds, herbicides by

target plants indicating pond use restrictions, and aquatic weed control herbicides by trade name, formulator, weeds controlled, and instructions and limitations; illustrations; and references are supplied.

*NAL Call No.:* SB950.2.M8N5 1987

### **Aquatic weed control.**

Whitson, Tom D.

[Laramie, Wyo.] : UW Cooperative Extension Service, [1989].

*Place of publication:* Wyoming. *Language:* English.

*Descriptors:* PATC aquatic pest control

*Abstract:* Aquatic weed management options for controlling bank and aquatic weeds, mechanical and chemical control, and calculations for treating ponds and lakes are discussed. Application rate, time, remarks and cautions for herbicides used to control algae, submersed, emersed, and/or floating weeds in Wyoming are indicated.

*NAL Call No.:* 275.29 W99B no.442.10

### **Aquatic weed training manual.**

Montana. Environmental Management Division. Helena, Mont. : Montana Dept. of Agriculture, Environmental Management Division, 1990. ii, 32 p. : ill. ; 28 cm.

*Place of publication:* Montana. *Language:* English.

*Descriptors:* PATC aquatic pest control

*Abstract:* This manual is a guidance document for aquatic plant control managers and a study guide for the Aquatic Pest Control Examination. It provides information on cultural, mechanical, biological and chemical control of aquatic plants, types of aquatic vegetation, and ditch bank weed control. Includes calculations for herbicide applications and problems to solve and illustrations of aquatic weeds.

*NAL Call No.:* SB614.3.U5A67 1990

### **Aquatics.**

Walker, Kandy.

University of Illinois at Urbana-Champaign. Agricultural Experiment Station.



## PATC aquatic pest control

Urbana, Ill. : Cooperative Extension Service, University of Illinois at Urbana-Champaign, [1989?]. 53 p. : ill. (some col.) ; 28 cm. -- Special publication (University of Illinois at Urbana-Champaign. Agricultural Experiment Station) ; 39-6.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC aquatic pest control

*Abstract:* This educational manual, used as a study guide for the commercial or public aquatic weed control applicator certification examination in Illinois, describes the major aquatic plant groups and their habitats, provides color photographs and line drawings which aid in identification of flowering weeds and algae. Aquatic herbicides and piscicides, pesticides used to control undesirable fish, and the techniques, methods, and formulas used to properly apply them are covered. Specific chemical recommendations are not included here but are printed in other annually revised Illinois Extension circulars and fact sheets. Contains a checklist for an aquatic weed control program, some black and white photographs, 72 study questions and answers, area formulas and constants, and a glossary.

*NAL Call No.:* 276 IL623 no.39-6

### **Illinois pest control handbook.**

University of Illinois at Urbana-Champaign. Cooperative Extension Service; Illinois. Natural History Survey Division.  
[Urbana, Ill.] : Cooperative Extension Service, University of Illinois at Urbana-Champaign, 1986-. v. : ill. ; 28 cm.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC animal agricultural pest; PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control

*Abstract:* The Illinois Pest Control Handbook, a compilation of detailed information on pests (insects, plants, animals, fungi, and nematodes) and pesticides (herbicides, insecticides, fungicides, nematocides and restricted-use pesticides), informs the applicator how to develop strategies for integrated pest management. It covers pests of field

crops and livestock, vegetable crops, ornamentals and turf, homes, yards, and gardens. Many tables cross reference pest problems with recommended pest management guidelines which include control methods instructions, pesticides and treatments. The handbook is revised annually.

*NAL Call No.:* SB950.2.I3I46

### **Illinois pesticide applicator training manual : aquatics.**

Walker, Kandy; Williams, David; McGlamery, Marshal.  
University of Illinois at Urbana-Champaign. Cooperative Extension Service.  
[Urbana, Ill.] : Cooperative Extension Service, College of Agriculture, University of Illinois at Urbana-Champaign, [1988?]. 70 p. ; 28 cm.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC aquatic pest control

*Abstract:* Designed to provide information to individuals engaged in the application of aquatic herbicides to control aquatic flowering weeds and algae growth, this manual also serves as a study guide for the aquatics certification examination. The habitats and identification of major aquatic plant groups, conditions for aquatic weed growth, several weed control methods, and environmental effects of aquatic herbicides are discussed. Includes a glossary, aquatic weed control equipment supply and service sources, area formulas and constants.

*NAL Call No.:* SB614.3.I3W3

### **Mosquito and black fly category manual F-II.**

Tillotson, Sarah.  
University of New Hampshire. Cooperative Extension Service.  
[Durham, N.H.] : Cooperative Extension Service, University of New Hampshire, [1980?]. 36, 41 p. : ill. ; 28 cm.

*Place of publication:* New Hampshire. *Language:* English.

*Descriptors:* PATC commercial core training; PATC aquatic pest control; PATC public health pest control



## PATC aquatic pest control

*Abstract:* This training manual discusses the biology and control of mosquitoes and black flies. It contains a key to New Hampshire mosquitoes, a glossary, calculation and conversion tables and descriptions of application equipment.

*NAL Call No.:* SB950.2.N4T5

### **Ohio pond management.**

Stockdale, Thomas M.

Ohio State University. Cooperative Extension Service.

[Columbus, Ohio] : Ohio Cooperative Extension Service, The Ohio State University, [1985?]. 16 p. : ill. ; 28 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 374.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC aquatic pest control

*Abstract:* This Ohio bulletin covers pond management, aquatic weed control, including chemical, floating weed, submerged weed and emergent weed control, and aquatic herbicides.

*NAL Call No.:* 275.29 OH32 no.374

### **Pest management principles for the commercial applicator : aquatic pest control.**

Binning, Larry.

Madison, Wis. : University of Wisconsin-Extension, Cooperative Extension Service, 1985. vii, 196 p. : ill. ; 27 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC aquatic pest control

*Abstract:* Training manual for commercial pesticide applicators in the aquatic pest control category. Major topics: swimmer's itch and leech control; aquatic weed control; mosquito control; chemical control of fish; toxicity of pesticides; protecting human health and the environment; disposal; application methods; and label information.

*NAL Call No.:* SB950.2.W6P45

### **Pest management principles for the commercial applicator : aquatic pest control.**

Binning, Larry.

University of Wisconsin--Extension. 2nd ed.

[Madison, Wis. : University of Wisconsin-Extension, 1990]. vi, 198 p. : ill. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC aquatic pest control

*Abstract:* Training manual for commercial pesticide applicators in the aquatic pest control category. Major topics: managing aquatic plants; mosquito control; chemical control of fish; toxicity of pesticides; protecting human health and the environment; disposal; application methods; and label information.

*NAL Call No.:* SB950.2.W6P45 1990

### **Pest management principles for the commercial applicator : aquatic pest control study guide.**

University of Wisconsin--Extension. Cooperative Extension Service.

Madison, Wis. : University of Wisconsin-Extension, Cooperative Extension Service, 1985. 25, [2] p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC aquatic pest control

*Abstract:* This study guide accompanies "Pest management principles for the applicator : aquatic pest control." It contains multiple choice questions and answers on a variety of subjects including laws and regulations, formulations, safety, application principles, and resistance to pesticides.

*NAL Call No.:* SB950.2.W6P452

### **Pest management principles for the commercial applicator : aquatic pest control study guide.**

Binning, Larry.

University of Wisconsin--Extension. 2nd ed.

[Madison, Wis. : University of Wisconsin-Extension, 1990]. 27 p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training;

## PATC aquatic pest control

### PATC aquatic pest control

*Abstract:* This study guide accompanies "Pest management principles for the commercial applicator : aquatic pest control." It contains multiple choice questions and answers on subject matter presented in the training manual.

*NAL Call No.:* SB950.2.W6P452 1990

### **Pesticide application and safety training study guide : aquatic pest control.**

Colorado. Division of Plant Industry. Rev. 10-90. Denver, Colo. : Colorado Dept. of Agriculture, Division of Plant Industry, [1990]. 42 p. : ill. ; 28 cm.

*Place of publication:* Colorado. *Language:* English.

*Descriptors:* PATC aquatic pest control

*Abstract:* This Colorado study guide/manual contains the educational information needed by the commercial pesticide applicator to pass the written state licensing examination in the aquatic pest control category. Cultural, mechanical, biological and chemical control of aquatic weeds, vertebrates and other pests are described and illustrated. Environmental considerations and restrictions are examined. A list of selected herbicides used in aquatic sites is supplied. Safety strategies, first aid treatments and environmental concerns including groundwater contamination, are addressed. Calibration tables and formulas are given. Colorado State Extension Service Offices' addresses and telephone numbers are listed. The Rocky Mountain Poison Control Center toll free telephone number is included.

*NAL Call No.:* SB614.3.U5P46 1990

### **Pesticide applicator training : [aquatic pest control].**

Purdue University.

[West Lafayette, Ind.?] : Purdue University, [198-?]. 1 v. (various pagings) : ill. ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC aquatic pest control

*Abstract:* The objective of this manual is to prepare aquatic pest controllers for certification. Expertise

requires knowledge and recognition of aquatic weeds and pests (mosquitoes) and correct application of pesticides and IPM control measures. Pesticide dosage determinations, toxicity, impact on fish and aquatic environments are considered.

*NAL Call No.:* SB951.P4627

### **Pesticide applicator training manual, category 5 : aquatic pest control.**

Dewey, J. E.; Pendleton, R. F.; Smith, W. G. Cornell University. Cooperative Extension; New York State College of Agriculture and Life Sciences. Chemical-Pesticides Program. Rev. May 1985.

Ithaca, N.Y. : Cooperative Extension : Chemicals-Pesticides Program, New York State College of Agriculture and Life Sciences at Cornell University, 1985. vi, 134 p. : ill. ; 28 cm.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC aquatic pest control

*Abstract:* This self-study training manual is designed to be used with the Northeast or EPA-USDA core training manual in the open book certification examination in the aquatic pest control category. Pest control techniques--biological, cultural and chemical--are discussed and suggested for specific aquatic pests including undesirable plants, fish and insects. The problems, risks and dangers of pesticide use on or near water, including the health and contamination hazards are discussed. Self-help study questions accompany this manual.

*NAL Call No.:* SB952.863.A115P414 1985

### **Recommended chemicals for weed and brush control.**

Baldwin, Ford L.

[Rev. ed.].

[Little Rock, Ark.?] : Cooperative Extension Service, University of Arkansas, and U.S. Dept. of Agriculture, and county governments cooperating, 1990. 104 p. : ill. ; 23 x 31 cm. -- MP (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 44.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC



## PATC aquatic pest control

aquatic pest control; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC forest pest control; PATC aerial pest control; PATC demonstration, research

**Abstract:** This chart formatted publication summarizes 1990 recommendations for use of herbicides for weed and brush control in Arkansas conforming with federal and state regulations. Contains trade name cross reference chart; chart of common, chemical, and trade name, formulation and manufacturer; charts indicating crop, situation, active chemical and formulated material per broadcast acre, weeds controlled, time and method of application and precautions; herbicide response rating tables. Supporting text on herbicide application guidelines and spray additives. Highlights trial or limited use herbicides.

*NAL Call No.:* 275.29 Ar4Mi no.44 1990

### **Recommended chemicals for weed and brush control.**

Baldwin, Ford L.; Boyd, John W. 1949-; Tripp, Timothy.

University of Arkansas, Fayetteville. Cooperative Extension Service; University of Arkansas, Fayetteville. Agricultural Experiment Station; United States. Dept. of Agriculture. [Rev. ed.].

[Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, and U.S. Dept. of Agriculture, and county governments cooperating, [1988]. 98 p. : ill. ; 23 x 31 cm. -- MP (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 44.

*Place of publication:* Arkansas. *Language:* English.

**Descriptors:** PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC forest pest control; PATC aerial pest control; PATC demonstration, research

**Abstract:** This chart formatted publication summarizes 1988 recommendations for use of herbicides for weed and brush control in Arkansas conforming with federal and state regulations. Contains trade name cross reference chart; chart of common, chemical, and trade name, formulation and manufacturer; charts indicating crop, situation, active chemical and formulated material per broadcast acre, weeds controlled, time and method of application and precautions; herbicide response

rating tables. Supporting text on herbicide application guidelines and spray additives. Highlights trial or limited use herbicides.

*NAL Call No.:* 275.29 Ar4Mi no.44 1988

### **Training manual for commercial applicators in aquatic pest control.**

Ogg, Neil; Robinette, D. Lamar.

Clemson University. Cooperative Extension Service.

Clemson, S.C. : Clemson University, Cooperative Extension Service, 1987. 106 p. : ill. ; 28 cm. -- Pesticide training series ; 5.

*Place of publication:* South Carolina. *Language:* English.

**Descriptors:** PATC aquatic pest control

**Abstract:** This training manual includes information on the aquatic ecosystem; general aquatic pest control concepts; aquatic pests; biological and chemical control methods; and calculation of application rates and application techniques for aquatic herbicides and piscicides. It contains descriptions and drawings of obnoxious aquatic plants affecting water resources.

*NAL Call No.:* SB614.3.U5R6 1987

### **Weed control on rights-of-way.**

Washington State University. Cooperative Extension. Rev. January 1988.

Pullman, Wash. : Cooperative Extension, College of Agriculture & Home Economics, Washington State University, [1988]. 26 p. : ill. ; 28 cm. -- Extension bulletin (Washington State University. Cooperative Extension) ; 669.

*Place of publication:* Washington. *Language:* English.

**Descriptors:** PATC aquatic pest control; PATC right-of-way pest control

**Abstract:** This publication covers weed control including aquatic vegetation management on rights-of-way; the planning requirements, operational procedures and administration, and goals of a vegetation management program; grass, broadleaf and woody plants and their control. It discusses selective and nonselective herbicides, formulations,

## PATC aquatic pest control

timing and rates of application, factors affecting herbicide efficacy, drift and application equipment.

*NAL Call No.:* 275.29 W27P no.669 1988

### **Weeding with chemicals : 1986 guide.**

Williams, J. L.; Bauman, T. T.

Purdue University. Cooperative Extension Service.

West Lafayette, Ind. : Cooperative Extension Service, Purdue University, [1986]. 77, [1] p. ; 28 cm.  
-- ID (Purdue University. Cooperative Extension Service) ; 1.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC aquatic pest control

*Abstract:* This guide provides information on herbicides recommended for use in Indiana to control weeds in field crops, forages, turfgrass, aquatic environments, vegetable crops, fruit and specialty crops and to control specific weeds. It contains charts rating the relative effectiveness of herbicides for corn, soybeans and horticultural crops. Safety, drift and calibration of ground application equipment are discussed.

*NAL Call No.:* 275.29 In2Id no.1 1986



## PATC chemigation

### PATC chemigation

#### Application of agricultural chemicals in pressurized irrigation systems.

Longley, T. S.

Moscow, Idaho : University of Idaho, College of Agriculture, Cooperative Extension Service, Agricultural Experiment Station, [1983].

*Place of publication:* Idaho. *Language:* English.

*Descriptors:* PATC chemigation

*Abstract:* Equipment for applying agricultural chemicals (herbicides, fungicides and insecticides) in pressurized irrigation systems, chemicals, proper mixing techniques, calibration procedures, and injector system operating costs are discussed in this publication.

*NAL Call No.:* 275.29 Id131dc no.673

#### Chemigation.

Thomas, James G.

[Mississippi State, Miss.] : Cooperative Extension Service, Mississippi State University, [1987].

*Place of publication:* Mississippi. *Language:* English.

*Descriptors:* PATC chemigation

*Abstract:* Advantages and disadvantages of chemigation, safety equipment, pumps, calibration, management practices and fertilizer use considerations are discussed in this publication. Diagrams of minimum requirements for anti-pollution devices and arrangement of equipment for applying chemicals through the irrigation system for engine and motor drive systems are provided.

*NAL Call No.:* 275.29 M68Ext no.1551

#### Chemigation equipment.

Nebraska Cooperative Extension Service.

[Lincoln, Neb.] : The Service, [198-?]. 75 slides : col. + 1 sound cassette (12 min., 15 sec.) + 1 script (19 p.).

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC chemigation; PATC non-certified applicator

*Abstract:* Covers how to set up, run, and maintain irrigation equipment for chemigation using proper safety and antipollution devices to prevent contamination of surface or groundwater. Specific measures to prevent backflow into the water supply, tank overflow, mechanical or electrical failure, or pump shutdown are covered. Includes script book with photos of slides. For growers, certified applicators and non-certified applicators.

*NAL Call No.:* Slide no.350

#### Ground water protection through chemigation : application of fertilizers and pesticides through irrigation systems.

Ogg, Neil; Privette, Charles V.

Clemson, S.C. : Dept. of Agricultural Engineering and Dept. of Fertilizer and Pesticide Control, Division of Agriculture and Natural Resources, Clemson University, [1988]. 4 p. : ill. ; 28 cm. -- AEnL ; 408.

*Place of publication:* South Carolina. *Language:* English.

*Descriptors:* PATC chemigation

*Abstract:* The four groundwater protection devices on chemigation equipment required by South Carolina's Chemigation Act (46-10140): 1) an interlock, 2) a check valve, 3) a vacuum breaker and 4) a low pressure drain are discussed in this publication. Includes graphics. For growers and individuals who use or apply pesticides through irrigation water systems.

*NAL Call No.:* SB952.8.O3

#### Guidance for pesticide and plant growth regulator product performance testing through irrigation systems.

Dowler, Clyde C.

[Lincoln, Neb.? : Extension Service, M.S. Dept. of Agriculture : Institute of Agriculture and Natural Resources, University of Nebraska- Lincoln?, 1989?]. iii, 22 p. : ill. ; 28 cm.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC chemigation

*Abstract:* This chemigation manual gives guidance

## PATC chemigation

to pesticide applicators in Nebraska who apply pesticides and/or plant growth regulators (PGR) through irrigation systems. Environmental and soil factors influencing chemigation, site selection, apparatus, and treatment methodologies using insecticides, pesticides, nematicides, fungicides and PGRS are suggested.

*NAL Call No.:* SB952.8.G8

## PATC commercial core training

### PATC commercial core training

#### **The 1/128th of an acre calibration method broadcast spraying.**

University of Florida. Institute of Food and Agricultural Sciences.

[Gainesville, Fla. : IFAS, University of Florida, 1987?]. 1 portfolio : ill. ; 28 cm.

*Place of publication:* Florida. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC demonstration, research

*Abstract:* Florida's pesticide applicator calibration training program on the 1/128th of an acre method includes lecture notes, overhead masters, worksheets and a fact sheet with calibration formulas, problems and solutions.

*NAL Call No.:* SB953.O5

#### **[1988 Utah pesticide applicator training packet].**

Deer, Howard.

Utah State University. Cooperative Extension Service.

Logan, Utah : Utah State University, Cooperative Extension Service, 1988. 1 portfolio : ill. (some col.) ; 30 cm.

*Place of publication:* Utah. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* A series of information sheets on pesticides, restricted use pesticides, disposal, storage, fire hazards, dermal and respiratory exposure, protective clothing, acute toxicity, endangered species, regulatory issues and groundwater protection.

*NAL Call No.:* SB950.2.U8D4

#### **1990 Missouri restricted-use list.**

Jarman, James H.

Columbia, Mo. : University Extension, University of Missouri-Columbia, 1990? 8 p. ; 28 cm. -- Agricultural MU guide ; G7550.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Chart includes common names, pesticide types, and criteria influencing restriction of each pesticide in Missouri. For growers and certified applicators.

*NAL Call No.:* SB950.2.M8J3

#### **Aerial application.**

Brown, Steven L.

Alabama Cooperative Extension Service.

[Auburn, Ala.] : Alabama Cooperative Extension Service, Auburn University, [1985?]. 12 p. : ill. ; 29 cm. -- Circular ANR ; 436.

*Place of publication:* Alabama. *Language:* English.

*Descriptors:* PATC commercial core training; PATC aerial pest control

*Abstract:* This study manual prepares Alabama commercial pesticide applicators for the Aerial Applicator Test, a state requirement for all aerial applicators. It provides information on the safest, most effective types of aerial application equipment, methods for converting standard spray equipment to ultralow-volume equipment, proper techniques for loading, ferrying and applying pesticides, ways to minimize drift, and aircraft sprayer calibration. Includes calibration formula and a self-test consisting of fill-in-the-blank, multiple choice and problem solving questions followed by an answer key.

*NAL Call No.:* S544.3.A2C47 no.436

#### **Aerial application handbook for applicators.**

Kuhlman, Dennis K.

Kansas State University. Cooperative Extension Service.

Manhattan, Kan. : Cooperative Extension Service, Kansas State University, 1981. 72, [1] p. : ill. ; 28 cm. -- MF (Kansas State University. Extension Service) ; 622.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC commercial core training;



## PATC commercial core training

PATC plant agricultural pest; PATC right-of-way pest control; PATC industrial pest control; PATC forest pest control

*Abstract:* Intended for aerial applicators, this handbook provides the keys to efficient and effective use of plant protection products by aerial application. Major topics include calibration, drift prevention, Integrated Pest Management (IPM) implementation, and medical aspects of pesticides. The appendix contains application and calibration formulas, and toxicity charts for fungicides, herbicides, and insecticides.

NAL Call No.: S544.3.K2K3 no.622

### **Agricultural chemical toxicity to select aquatic animals : bluegill, channel catfish, rainbow trout, crawfish, and freshwater shrimp.**

Morgan, Edna Ruth.

[Mississippi State, Miss.?] : Cooperative Extension Service, Mississippi State University, [1989?]. 22 p. ; 28 cm. -- Publication (Mississippi State University. Cooperative Extension Service) ; 1455.

*Place of publication:* Mississippi. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Gives toxicity of many agricultural chemicals to 5 aquatic species: bluegill, channel catfish, rainbow trout, crawfish, and freshwater shrimp. Also gives tips for safe application of agricultural chemicals near fish ponds, and describes Mississippi fish kill reporting procedures. For growers, certified applicators, non-certified applicators, and fishery managers.

NAL Call No.: 275.29 M68Ext no.1455

### **Agricultural pesticide application equipment.**

Sumner, Paul E.

Athens, Ga. : Cooperative Extension Service, University of Georgia College of Agriculture, [1989].

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC private core training; PATC

commercial core training

*Abstract:* This booklet discusses the types and set-up of equipment used to apply agricultural chemicals, especially pesticides and fertilizers. Hydraulic boom sprayers, orchard and grove sprayers, vegetable sprayers and field crop sprayers are described in detail. Chemigation and the equipment needed for this process are outlined. Three methods of sprayer calibration as well as calibration methods for granular insecticide applicators, fertilizer applicators and dry broadcast fertilizer equipment are included.

NAL Call No.: 275.29 G29B no.1017

### **Agricultural pesticide storage.**

Nesheim, O. Norman.

Rev.

[Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, [1987]. -- OSU extension facts ; no. 7451.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Covers safety precautions for pesticide storage including construction directions for new storage areas, pesticide shelf life, and spill cleanup. For growers, certified applicators and non-certified applicators.

NAL Call No.: S544.3.O5O5 no.7451 1987

### **Agricultural plant.**

Brown, Steven L.

Alabama Cooperative Extension Service.

[Auburn, Ala.] : Alabama Cooperative Extension Service, Auburn University, [1985?]. 64 p. : ill. ; 28 cm. -- Circular ANR ; 432.

*Place of publication:* Alabama. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest

*Abstract:* This Alabama Commercial Pesticide Applicator manual, intended to be used as a study guide by individuals preparing for the certification exam on agricultural plant pest control, defines pest management and economic threshold and ex-

## PATC commercial core training

plains how insecticides and herbicides are classified, how they act and what influences herbicide activity. It also describes the three essential factors necessary for plant disease development, how diseases cause damage and how they are diagnosed and treated. Tips for collecting plant and soil samples submitted to the Plant Diagnostic Laboratory are listed. Includes general information on pests, their identification and control; pesticides, their toxicities, hazards, labels, and laws and regulations governing their use; applicator safety; and environmental considerations. Chapter tests and answers reinforce the study material. Lists Alabama Poison Control Centers' addresses and phone numbers.

*NAL Call No.:* S544.3.A2C47 no.432

### **Alabama '89 pesticide handbook.**

[Auburn, Ala.] : Alabama Cooperative Extension Service, Auburn University, 1989.

*Place of publication:* Alabama. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This 1989 handbook, to be used by pesticide applicators, constitutes a single reference for all pesticide recommendations in the state of Alabama. It compiles up-to-date information on the selection, formulation, amounts, application, toxicity, and safe and proper use of pesticides. A directory of specialists as well as Alabama County Extension Service Offices is supplied for questions and/or emergencies.

*NAL Call No.:* S544.3.A2C47 no.500 1989

### **Alabama pesticide handb'88k.**

[Auburn, Ala.] : Alabama Cooperative Extension Service, Auburn University, 1988.

*Place of publication:* Alabama. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This 1988 handbook, to be used by pesticide applicators, constitutes a single reference for all pesticide recommendations in the state of Alabama. It compiles up-to-date information on the selection, formulation, amounts, application, toxicity, and safe and proper use of pesticides. A

directory of specialists as well as Alabama County Extension Service Offices is supplied for questions and/or emergencies.

*NAL Call No.:* S544.3.A2C47 no.500 1988

### **Always wear the right stuff : personal pesticide protection.**

Coffman, Charlotte.

Cornell Cooperative Extension.

Ithaca, N.Y. : Cornell Cooperative Extension, [1990]. 77 slides : col. + 1 sound cassette and 1 script.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* This Cornell Cooperative Extension slide/script/cassette program is designed to help pesticide applicators, handlers and users properly protect themselves from accidental exposure. Types of protective clothing and equipment as well as laundering and care recommendations, safe hygiene habits and spray equipment are discussed. The importance of selecting appropriate protective clothing for the job based on risk of exposure; pesticide toxicity, formulation, and route of entry; and the environment is emphasized. The accompanying brochure concisely summarizes types of personal protective clothing including nonwoven, woven and specialized protective suits and respirators, and hygiene practices.

*NAL Call No.:* Slide no.351

### **Animal pest control : category 1B.**

Brooks, Leroy; Caley, Homer K.

Kansas State University. Cooperative Extension Service.

Manhattan, Kan. : Cooperative Extension Service, Kansas State University, 1980. 15 p. : ill. ; 28 cm.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC commercial core training; PATC animal agricultural pest

*Abstract:* Common pests of beef cattle, dairy cattle, sheep, swine, horses, mules, donkeys, and poultry and pest control methods are discussed in this



## PATC commercial core training

commercial applicator certification study manual. It contains pesticide safety recommendations, multiple choice study questions, and drawings of agricultural animal pests.

*NAL Call No.:* SF810.A3B7

### **Apply pesticides correctly.**

Evans, Burton R.

University of Georgia. Cooperative Extension Service. Rev.

Athens, Ga. : Cooperative Extension Service, University of Georgia, College of Agriculture, 1988. vi, 56 p. : ill. ; 28 cm. -- Special bulletin (University of Georgia. Cooperative Extension Service) ; 15.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Designed to enable commercial and private applicators to meet general standards for certification, this guide covers pest identification and control, Integrated Pest Management practices, labelling, safety, application, and laws and regulations. Formulas to derive area measurements, illustrations, and a list of pest control terms are included.

*NAL Call No.:* SB950.A1S62 no.15 1988

### **Applying pesticides correctly : a guide for commercial/noncommercial applicators.**

McDonald, Sally A.; Wamsley, Mary Ann; English, L. M.

[Las Cruces, N.M.] : Cooperative Extension Service, New Mexico State University, [1985]. iv, 104 p. : ill. ; 28 cm.

*Place of publication:* New Mexico. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Adapted for use in New Mexico, this core manual prepares individuals for commercial and noncommercial applicator certification. It covers pest identification and control, pesticide formulations, labels, laws and regulations, safety, protective clothing, pesticide poisoning recognition, first aid, environmental concerns, application equipment

and calibration. Includes protective clothing and equipment guide based on formulations and label signal words, chart indicating toxic effects of pesticides on the body, and a glossary.

*NAL Call No.:* SB952.863.N6A6

### **Applying pesticides correctly : a guide for private and commercial applicators.**

Ohio State University. Cooperative Extension Service.

[Columbus, Ohio?] : Ohio State University, Cooperative Extension Service, 1989. 122 p. : ill. ; 28 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 713.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This guide for private and commercial applicators explains how to properly and safely apply pesticides, understand pesticide labels, select pesticides, and choose and calibrate equipment. Information on pests, pesticide laws and regulations, protective clothing, poisoning symptoms and first aid is provided. It contains a pesticide index, defined terms, a table listing effects of pesticides on the body, calibration formulae and examples, and drawings.

*NAL Call No.:* 275.29 OH32 no.713

### **Applying pesticides correctly : a guide for private and commercial applicators.**

[Washington, D.C.] : The Agency, [1980?]. iv, 128 p. : ill. ; 28 cm.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This guide for private and commercial applicators explains how to properly and safely apply pesticides, understand pesticide labels, select pesticides, and choose and calibrate equipment. Information on pests, pesticide laws and regulations, protective clothing, poisoning symptoms and first aid is provided. It contains a pesticide index, defined terms, a table listing effects of pesticides



## PATC commercial core training

on the body, calibration formulae and examples, and drawings.

*NAL Call No.:* SB950.2.A1A66

### **Applying pesticides correctly : a student workbook.**

Hall, Dennis W.; Prochaska, Steven C.  
Ohio State University. Cooperative Extension Service.

[Columbus, Ohio?] : Ohio Cooperative Extension Service, Ohio State University, 1989. 84 p. : ill. ; 22 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 713-A.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This workbook, a supplemental study guide to Applying Pesticides Correctly: A Guide for Private and Commercial Applicators, is designed to assist applicators preparing for certification exams. It consists of 146 multiple choice, true and false, and matching questions, answers and explanations, and score cards for each section. The label flap conceals answers which appear opposite the questions.

*NAL Call No.:* 275.29 OH32 no.713-A

### **Are you spraying more than pests? : pilot project.**

University of Florida. Institute of Food and Agricultural Sciences.

[Gainesville, Fla. : University of Florida, IFAS], c1987. 1 videocassette, 396 slides, 5 scripts, 1 booklet, 1 folded sheet and 1 list of contents.

*Place of publication:* Florida. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Designed for pesticide applicators, growers, mixers/loaders and persons who handle pesticides, this educational packet composed of six lessons includes a slide set with accompanying script, NACA slides, a video, pamphlets, a poster, presentation activity instructions, addresses for ordering pamphlets and resources for the presenter. Lesson I describes the benefits of becoming a cer-

tified pesticide applicator. Lesson II reviews the Florida Pesticide Law and FIFRA. Lesson III explains the pesticide label. Lesson IV discusses pesticide safety and protective clothing. Lesson V covers safe handling, storage and disposal of pesticides. Lesson VI explains how to identify and control pests.

*NAL Call No.:* Kit no.94

### **Basic pesticide training manual.**

Montana. Environmental Management Division.  
Helena, Mont. : Montana Dept. of Agriculture, Environmental Management Division, 1990. iii, 89 p. : ill. ; 28 cm.

*Place of publication:* Montana. *Language:* English.

*Descriptors:* PATC commercial core training

*Abstract:* Prepared primarily as a study guide for all pesticide applicators and dealers being licensed to sell or apply general or restricted use pesticides, this manual can also serve as a reference source. It provides basic information on pesticide laws and regulations, toxicology of pesticides, pesticide labels, sprayer calibration, safe use, protective equipment, first aid, environmental protection, and alternatives to pesticides.

*NAL Call No.:* SB950.2.M9B37 1990

### **Buying and wearing protective clothing for applying pesticides.**

Olson, Wanda W.; Gahring, Sherri A.; Herzfeld, Dean.

St. Paul, Minn. : Minnesota Extension Service, University of Minnesota, 1990. 4 p. : ill. (some col.) ; 28 cm.

*Place of publication:* Minnesota. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This article discusses the need for and acquisition of specialized protective clothing for applying pesticides. Recommendations can be found on the chart, "Guide to Protective Equipment and Clothing", where signal words from pesticide labels are cross referenced with the type of clothing suggested for maximum safety. Six protec-

## PATC commercial core training

tive clothing suppliers and their addresses are listed.

*NAL Call No.:* HD7395.C5O5

### **Calibrating your field sprayer.**

University of Wisconsin--Madison. Dept. of Agricultural Journalism; University of Wisconsin--Extension. Cooperative Extension Service. Madison, Wis. : The University, 1987. 1 videocassette (13 min., 6 sec.) : sd., col. ; 1/2 in.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This videotape explains how to calibrate a field sprayer to deliver the correct pesticide application rate. It covers the five questions to ask before calibrating a sprayer, tools for calibration, the five steps in the precalibration process, and calibration procedures. Proper sprayer calibration is emphasized.

*NAL Call No.:* Videocassette no.937

### **Calibration method for hydraulic boom, band sprayers and other liquid applicators.**

Sumner, Paul E.

Rev. Oct. 1989.

[Athens, Ga.] : Cooperative Extension Service, University of Georgia College of Agriculture, [1989].

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Steps and procedures for calibrating hydraulic boom and band sprayers and other liquid applicators and for calculating the amount of liquid pesticide or wettable powder required for active ingredient rates are outlined in this publication.

*NAL Call No.:* 275.29 G29C no.683

### **California plant disease handbook and study guide for agricultural pest control advisors.**

Gubler, Walter D.

University of California (System). Division of Agriculture and Natural Resources. 3rd ed. Oakland, Calif. : Regents of the University of California, Division of Agriculture and Natural Resources : available from ANR Publications, University of California, 1986. ii, 157 p. ; 28 cm. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 4046.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC forest pest control

*Abstract:* This is a comprehensive study guide on diagnosing plant diseases, using cultural and biological control methods, using plant resistance, and using chemicals for disease control. Sections include field and forage crops, vegetable crops, tree fruit and nut crops, small fruit crops, and ornamentals. It is designed for agricultural pest control advisors, and useful to applicators and growers. A glossary and references are included.

*NAL Call No.:* SB624.C2C3 1986

### **Check your pesticide labels.**

Nesheim, O. Norman.

[Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, [1986]. -- OSU extension facts ; no. 7454.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Explains how to read and interpret directions on pesticide labels. For certified applicators and non-certified applicators.

*NAL Call No.:* S544.3.O5O5 no.7454

### **Christmas tree category manual.**

Swier, Stanley R.; Auger, Phil.

Durham, N.H. : Cooperative Extension Service, University of New Hampshire, 1987. 38 p. ; 28 cm.

*Place of publication:* New Hampshire. *Language:*



## PATC commercial core training

English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC forest pest control

*Abstract:* The identification, biology and control of New Hampshire Christmas tree pests are covered in this training manual. Weed and brush control methods, herbicide and approved pesticide lists, a cross-reference table for pesticide common name/trade name, and specimen collection instructions are included.

*NAL Call No.:* SB428.3.S9

### **Closed systems for handling liquid pesticides : improved safety for pesticide applicators.**

New York State College of Agriculture and Life Sciences. Dept. of Entomology; Cornell University. Media Services; Cornell University. Audio-Visual Resource Center.

Ithaca, N.Y. : Cornell University AV Center, 1985.  
71 slides : col. + 1 sound cassette (17 min. : analog)  
+ 1 script.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* This audiovisual safety training program for pesticide applicators describes the operation and the advantage of a closed system for handling liquid pesticides. It covers proper selection of equipment based on needs assessment; system components of gravity feed and vacuum systems; equipment maintenance and repair; and safety precautions.

*NAL Call No.:* Slide no.285

### **Commercial and private pesticide applicator core manual slide set.**

Rosenbaum, Robin R.

Michigan State University. Cooperative Extension Service.

[East Lansing, Mich.?] : The Service, [1990]. 363 slides : col. + 1 slideset storyboard in binder.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Designed to accompany the Michigan Core Manual Extension Bulletin E-2195, this slide set and storyboard with script prepares pesticide applicators for the commercial or private pesticide certification or the registered technician examination. The slides focus on the major points of the Core Manual's nine chapters. Pests and integrated pest management (IPM) concepts and techniques, pest identification, understanding pesticides, protecting the environment and humans from adverse effects of pesticides, handling, storage and disposal of pesticides, label, application equipment, and pesticide laws and regulations are covered. The storyboard pictures of the slides and their arrangement by Core Manual chapters in a loose-leaf notebook facilitate slide selection and adaptation of the presentation to a particular audience. In the script, points that should be emphasized appear in bold print and comments to instructors appear in italics.

*NAL Call No.:* Slide no.352

### **Commercial and private pesticide applicator training manual : initial certification.**

Landis, Joy Neumann; Rosenbaum, Robin R.; Rother, Andrea.

Michigan State University. Cooperative Extension Service.

East Lansing, Mich. : Cooperative Extension Service, Michigan State University, [1989]. 83 p. : ill. ; 28 cm. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; E-2195.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This core training manual covers identification and management of pests and safe use of pesticides. Environmental concerns, especially groundwater contamination are addressed as are the handling, labelling, storage, application and toxicity of pesticides, and federal and Michigan State laws and regulations. It contains a glossary, a pesticide emergency information chart with emergency poison control center phone numbers,



## PATC commercial core training

and self-study question guides. Applications for both commercial and private applicator licenses are also included.

*NAL Call No.:* 275.29 M58B no.2195

### **Core manual.**

Brown, A. E.

University of Maryland Cooperative Extension Service.

College Park, Md. : University of Maryland Cooperative Extension Service, 1986-87 [i.e. 1987]. 42 p. : ill. ; 28 cm. -- Maryland pesticide applicator training series.

*Place of publication:* Maryland. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This core manual for all pesticide applicators in Maryland is intended to be used as a study guide for the certification examination and as a reference. It provides information on laws and regulations governing pesticide use, integrated pest management (IPM) concepts, toxicology, safety precautions, protective gear, proper handling, storage and disposal of pesticides, pesticide emergencies, liability, and environmental considerations. It contains short answer study questions and a glossary.

*NAL Call No.:* SB950.2.M3B762

### **Demonstration and research pest control.**

Brown, Steven L.

Alabama Cooperative Extension Service.

[Auburn, Ala.] : Alabama Cooperative Extension Service, Auburn University, [1985?]. 70 p. : ill. ; 28 cm. -- Circular ANR ; 433.

*Place of publication:* Alabama. *Language:* English.

*Descriptors:* PATC commercial core training; PATC demonstration, research

*Abstract:* Developed to assist persons studying for the Alabama commercial pesticide applicator certification examination in the Demonstration and Research Pest Control category, this manual explains the concept of integrated pest management (IPM), absolute, relative, and damage assessment sampling methods for pests and pest-related injury, and considerations involved in designing research

plots. It also covers pest identification and control; pesticides, their labels and laws and regulations governing their uses; applicator safety in handling, applying, disposing of and storing pesticides; and environmental concerns. Includes addresses and phone numbers for Alabama Poison Control Centers and chapter tests and an answer key. For Extension agents and specialists, commercial representatives, state, federal and commercial employees conducting field research and others who demonstrate how to use pesticides or supervise their use by individuals conducting research.

*NAL Call No.:* S544.3.A2C47 no.433

### **Disposal of pesticide containers.**

Vitzthum, Edward F.; Nelson, Emery W.; Gold, Roger E.

Lincoln, Neb. : Published by Cooperative Extension Service, Institute of Agriculture and Natural Resources, University of Nebraska, 1979. -- Neb-Guide ; G79-472.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This publication describes the three groups of containers defined by US EPA guidelines and how to properly dispose of them.

*NAL Call No.:* S451.N2N3 no.G79-472

### **Disposal of pesticides and pesticide containers.**

Wilson, John H 1933-; McClelland, W. T.

North Carolina Agricultural Extension Service. Rev.

Raleigh, N.C. : N.C. Agricultural Extension Service, [1988]. 1 folded sheet (12 p.) : ill. ; 22 x 10 cm.

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC non-certified applicator

*Abstract:* Covers procedures for disposal of pesticides and pesticide containers. Information on North Carolina Disposal Assistance Program. For

## PATC commercial core training

growers, certified applicators, non-certified applicators, and the general public.

*NAL Call No.:* TD196.P38W5 1988

### **Drift management : pesticide applicator training.**

Dill, James F.; Dwyer, James D.; Morrow, L. S.; Batteese, Robert.

University of Maine at Orono. Cooperative Extension Service.

[Orono, Me.] : University of Maine, Cooperative Extension Service, [1988]. 1 v. (various pagings) : ill., forms ; 30 cm. + 1 booklet.

*Place of publication:* Maine. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Prepared by University of Maine-Cooperative Extension Service in cooperation with Maine Department of Agriculture, Food and Rural Resources, Board of Pesticide Control, this booklet assists operators of power spray equipment in minimizing off-target drift in compliance with state regulations. Provides uniform logbook required for record of applications.

*NAL Call No.:* SB953.D5

### **Endangered species protection program.**

Jones, Bill F.; Waldrum, Joseph D.

University of Arkansas, Fayetteville. Cooperative Extension Service.

[Fayetteville, Ark.?] : Cooperative Extension Service, University of Arkansas, [between 1980 and 1988]. [1] p. ; 28 cm.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC commercial core training; PATC pesticide dealers and distributors

*Abstract:* This pesticide information sheet is to alert all pesticide and herbicide users of the new EPA regulations required by the Endangered Species Act. Endangered species in Arkansas counties are the fat pocketbook pearly mussel, the Curtis' pearly mussel, pink mucket mussel, the Ozark cavefish, the leopard darters, the pondberry and the red-cockaded woodpecker. New labelling standards (implemented after September 15, 1988) require

applicators to obtain information regarding the protection and location of endangered species from the U.S. Fish and Wildlife Service (FWS) and observe new prohibitions, regulations and limitations of certain pesticides in certain Arkansas counties.

*NAL Call No.:* QH545.P4J66

### **El Entrenamiento de los trabajadores del invernadero sobre el uso de los pesticidas.**

Zavala, Melanie.

University of California, Davis. Visual Media; University of California, Davis. Office of Pesticide Information and Coordination.

Davis, [Calif.] : University of California, Davis, Visual Media, c1986. 1 videocassette (16 min.) : sd., col. ; 1/2 in.

*Place of publication:* California. *Language:* Spanish.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator; PATC ornamental, turf pest control

*Abstract:* This video is aimed at non-certified pesticide applicators. It is designed to provide them with part of the training they need in order to handle pesticides safely. The video can also be of use for greenhouse workers who have only indirect exposure to pesticides. The presentation covers entry of pesticides into the body, poisoning symptoms, protective clothing and equipment, emergency procedures, and common sense protective measures. It also discusses some of the potential dangers of pesticide use in a greenhouse situation and how they can be avoided. This video was developed under a grant from the U.S. EPA.

*NAL Call No.:* Videocassette no.674

### **Equipment pesticide training manual.**

Montana. Environmental Management Division.

Helena, Mont. : State of Montana, Dept. of Agriculture, Environmental Management Division, [1986]. ii, 48 p. : ill. ; 28 cm.

*Place of publication:* Montana. *Language:* English.

*Descriptors:* PATC commercial core training; PATC aerial pest control



## PATC commercial core training

*Abstract:* Prepared as a study guide for applicators being licensed to apply restricted use pesticides, this manual describes the types of ground and aerial pesticide application equipment, its calibration, safe use, and maintenance. It discusses pesticide formulations and compatibility and provides conversion factors for units of measurement.

*NAL Call No.:* S694.E6

### Factors affecting pesticide and nutrient movement in Alaska soils.

Vandre, Wayne.

University of Alaska (System). Cooperative Extension Service.

[Fairbanks, Alaska] : University of Alaska Fairbanks ; [Washington, D.C.?] : USDA, [1990]. [2] p. ; 28 cm.

*Place of publication:* Alaska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This publication discusses factors affecting potential pesticide and nutrient movement in Alaska soils. Six tables list pesticides currently or previously used by Alaskan growers classified by their leaching potential and surface runoff or surface loss potential.

*NAL Call No.:* TD427.P35V32

### The fate of pesticides in the environment.

Brown, C. L.; Hock, W. K.; Morgan, E. A.

Pennsylvania State University. Pesticide Education Program; Pennsylvania State University. Agricultural Information Services.

University Park, Pa. : Pesticide Education Program : Agricultural Information Services, [1989?]. 80 slides : col. + 1 sound cassette (20 min., 45 sec.) + 1 script (13 p.).

*Place of publication:* Pennsylvania. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This slide set with cassette and script describes environmental impacts of pesticides and defines processes such as adsorption, transfer (including volatilization, leaching, runoff, and absorp-

tion), and degradation. The accompanying agrichemical fact sheet discusses ways to protect groundwater from pesticide contamination.

*NAL Call No.:* Slide no.293

### Fate of pesticides in the environment : proceedings of a technical seminar.

Biggar, James W.

California Agricultural Experiment Station.

Oakland, Calif. : University of California, Division of Agriculture and Natural Resources, 1987. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 3320.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC demonstration, research

*Abstract:* This is a compilation of the proceedings of a seminar of the same title held in Sacramento, CA on March 4 and 5, 1985. It includes sections on pesticide classes, physiochemical fate processes, and case studies of the reaction of several pesticides in environmental situations. Helpful information for growers, applicators, and advisors is provided.

*NAL Call No.:* TD196.P38F3

### First aid for pesticide poisoning.

Criswell, Jim T.

[Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, [1989]. -- OSU extension facts ; no. 7453.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Covers label reading, symptoms of poisoning, cholinesterase tests, first aid for poisoning, and specific antidotes. For certified applicators, agricultural workers, non-certified applicators, the general public and health providers.



## PATC commercial core training

NAL Call No.: S544.3.O5O5 no.7453

### **Florida's pesticide law & rules : a summary for applicators.**

Florida. Dept. of Agriculture and Consumer Services.

Tallahassee, Fla. : The Dept, [1988?]. 1 folded sheet (8 p.) ; 22 cm.

*Place of publication:* Florida. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Brief summary of laws and rules for Florida that pertain to licensed restricted use pesticide applicators. For growers, certified applicators, and non-certified applicators.

NAL Call No.: SB952.863.F6F5

### **Forest pest control.**

Brown, Steven L.

Alabama Cooperative Extension Service.

[Auburn, Ala.] : Alabama Cooperative Extension Service, Auburn University, [1985?]. 64 p. : ill. ; 28 cm. -- Circular ANR ; 437.

*Place of publication:* Alabama. *Language:* English.

*Descriptors:* PATC commercial core training; PATC forest pest control

*Abstract:* This manual is designed as a self-study guide for individuals desiring commercial pesticide applicator certification in Alabama's Forest Pest Control Category for applying pesticides in forests, forest nurseries, and forest seed producing areas. It provides information on the five main groups of pests, general pest control methods and specific forest pest control methods, pesticides, labels, laws and regulations, applicator safety, pesticide disposal and storage, and environmental hazards. It contains matching and fill-in-the blank tests following each chapter and an answer key chapter and addresses and phone numbers for Alabama Poison Control Centers.

NAL Call No.: S544.3.A2C47 no.437

### **Forest pest control : category 2.**

Boutz, Gary.

Kansas State University. Cooperative Extension Service.

Manhattan, Kan. : Cooperative Extension Service, Kansas State University, 1979. 30 p. : ill. ; 28 cm.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC commercial core training; PATC forest pest control

*Abstract:* This commercial applicator certification study manual covers forest pests including weeds, insects, mites, vertebrates and diseases and their control. It contains information on selecting and applying herbicides correctly, understanding herbicide labels, avoiding hazards, recognizing and treating forest pests and diseases, and calibrating power sprayers and hand applicators. Includes multiple choice study questions, calibration formulae and examples, and illustrations.

NAL Call No.: SB763.K2F6

### **Fumigating farm-stored grain with aluminum phosphide.**

Peters, Leroy L. 1931-.

Rev. December 1987.

Lincoln, Neb. : Published by Cooperative Extension Service, Institute of Agriculture and Natural Resources, University of Nebraska, 1987. -- NebGuide ; G86-790.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC fumigation

*Abstract:* This NebGuide explains step-by-step how to fumigate farm-stored grain with aluminum phosphide. It includes a chart describing respiratory protection needed based on gas concentration. A chart to determine the minimum length of fumigation to control pests based on temperature is provided.

NAL Call No.: S451.N2N3 no.G86-790 1987

### **Fumigation pest control : training for certification.**

Hamer, Jim L.

[Mississippi State, Miss.] : Cooperative Extension Service, Mississippi State University, [1985?]. vii, 51, [7] p. : ill. ; 28 cm.

## PATC commercial core training

*Place of publication:* Mississippi. *Language:* English.

*Descriptors:* PATC commercial core training; PATC fumigation

*Abstract:* This is a self-study manual designed for commercial pesticide applicator certification in fumigation pest control. It discusses the nature and effect of fumigants, precautions, protective equipment, and detection, symptoms and emergency treatment for acute poisoning by fumigants. The identification, biology and behavior of Stored Grain Insect Pests is also covered.

*NAL Call No.:* SB955.F84

### **General manual.**

Brooks, Leroy.

Kansas State University. Cooperative Extension Service. Rev.

Manhattan, Kan. : Cooperative Extension Service, Kansas State University, [1986]. 104 p. : ill. ; 28 cm.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC commercial core training

*Abstract:* This study guide designed to prepare commercial pesticide applicators for the General Certification exam includes information on the certification process; identification and control of pests; pesticide formulations; equipment and calibration; pesticide labels, safety, and regulations; and environmental protection. It defines pest control terms.

*NAL Call No.:* SB965.G4 1986

### **General standards workbook.**

Anderson, Diane.

University of Illinois at Urbana-Champaign. Cooperative Extension Service.

[Urbana, Ill.] : Cooperative Extension Service, College of Agriculture, University of Illinois at Urbana-Champaign, [1987?]. 31 p. ; 28 cm. -- Pesticide applicator training.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC commercial core training

*Abstract:* This workbook contains short answer

questions and calibration problems based on information in the Illinois General Standards Manual. Designed to help commercial applicators prepare for the certification examination, this guide covers Integrated Pest Management (IPM); plant diseases; insects and insect relatives; weed identification and control; formulations and mixing; application equipment; pesticide poisoning; safe handling of pesticides; protecting the environment; and labels and labeling.

*NAL Call No.:* SB950.2.I3G45

### **Georgia's endangered animals and plants.**

Jackson, Jeffrey J.

University of Georgia. Cooperative Extension Service.

[Athens, Ga.?] : University of Georgia, Cooperative Extension Service, [1989]. ii, 23 p. : ill., maps ; 18 cm.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This bulletin is intended to help landowners, land managers and pesticide applicators protect federally designated "threatened" and "endangered" animals or plants while engaged in farming, forestry and other land use activities. This bulletin reviews and describes the protected species most likely to be encountered in Georgia.

*NAL Call No.:* QL84.22.G4G4

### **Ground application equipment and equipment calibration.**

Brown, Steven L.

Alabama Cooperative Extension Service.

[Auburn, Ala.] : Alabama Cooperative Extension Service, Auburn University, [1985?]. 12 p. : ill. ; 28 cm. -- Circular ANR ; 431.

*Place of publication:* Alabama. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest

*Abstract:* Persons desiring certification in the commercial pesticide applicator Agricultural Plant: Ground Applicator category in Alabama are re-



## PATC commercial core training

quired to take a Ground Applicator Test in addition to the General Standards and Agricultural Plant tests. Designed to assist individuals studying for the Ground Applicator Test, this manual identifies factors to consider when selecting ground application equipment, describes equipment components and equipment maintenance requirements, lists uses of different types of sprayers, shows which nozzles produce which spray patterns, and explains how to calibrate equipment and how to regulate the amount of pesticides applied to the target. Includes diagrams of sprayer pumps and nozzles; sample calibration problems, equations, and solutions; and tests consisting of matching, fill-in-the-blank and problem solving questions with an answer key in the back.

*NAL Call No.:* S544.3.A2C47 no.431

### **Growers weed identification handbook.**

University of California (System). Division of Agricultural Sciences.

[Berkeley, Calif.?] : Division of Agricultural Sciences, University of California, [197?- ]. 1 v. : col. ill. ; 30 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC right-of-way pest control

*Abstract:* Color photographs and descriptions of common weeds found in agricultural crops are provided. Includes photos of seedlings, mature plants, and flowers and fruit. Intended for growers, advisors, and applicators. Loose-leaf format permits easy updating.

*NAL Call No.:* SB612.C2G7

### **Guidebook to pesticides : regulation, registration & resource directory.**

Bond, Janet.

Massachusetts. Dept. of Food and Agriculture.

[Boston, Mass.] : Dept. of Food and Agriculture, [1987]. x, 44 p. : ill. ; 28 cm.

*Place of publication:* Massachusetts. *Language:* English.

*Descriptors:* PATC private core training; PATC

commercial core training; PATC non-certified applicator

*Abstract:* Covers federal and Massachusetts pesticide regulations, how to read labels, pesticide safety tips, and gives resource numbers for Massachusetts. Some pest control information also. For growers, certified applicators and non-certified applicators.

*NAL Call No.:* KFM2780.P4A82

### **Guidelines for insecticide use.**

Rodriguez, L. D.

Rev.

Lexington, Ky. : University of Kentucky, College of Agriculture, Cooperative Extension Service, Dept. of Entomology, 1987. -- ENT (University of Kentucky. Cooperative Extension Service) ; no. 48.

*Place of publication:* Kentucky. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Covers pesticide selection, transport, storage, use precautions, spill cleanup, protective equipment selection, laundering of contaminated clothing, poisoning symptoms, first aid, container disposal, bee protection, and sprayer calibration. For certified applicators, non-certified applicators and growers.

*NAL Call No.:* 275.29 K415E no.48 1987

### **Hazardous waste management for pesticide applicators.**

University of Nebraska (Lincoln campus). Extension Service.

Lincoln, Neb. : Cooperative Extension Service, University of Nebraska, [1988?]. 79 slides : col. + 1 script + 1 sound cassette (18 min., 20 sec.) w/synch pulses + 1 sound cassette (18 min., 20 sec.) w/o synch pulses.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC commercial core training; PATC private core training

*Abstract:* This slide-tape set defines hazardous waste, briefly discusses regulations about disposal



## PATC commercial core training

and describes applicators' responsibility in the disposal process.

*NAL Call No.:* Slide no.296

### **How groundwater contamination occurs.**

Vandre, Wayne.

University of Alaska (System). Cooperative Extension Service.

[Fairbanks, Alaska] : Cooperative Extension Service, University of Alaska Fairbanks ; USDA, [1990].

[Washington, D.C.?] [2] p. ; 28 cm.

*Place of publication:* Alaska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners

*Abstract:* This publication explains how groundwater contamination occurs. It discusses the four major factors determining whether a chemical is likely to become a groundwater contaminant: 1) chemical properties, 2) soil properties, 3) site conditions, and 4) human activities or practices.

*NAL Call No.:* TD427.A35V3

### **How to use your right to know chemical hazards : a guide to the new hazard communication standards.**

McAteer, J. Davitt; Lawson, Dale.

Occupational Safety and Health Law Center. 1st ed.

Washington, D.C. : Occupational Safety and Health Law Center ; Pilgrim Press, [1986].

[New York, N.Y.] 75 p. ; 20 cm.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* This book describes in detail the Hazard Communication Standard in language easily understood by worker, grower, or applicator. It simplifies the federal requirement and systematically reviews the standard and its requirements. For agricultural workers, growers, certified applicators, non-

certified applicators, and the general public.

*NAL Call No.:* T55.3.H3M3 1986

### **Illinois Agricultural Pesticides Conference '91 : summaries of presentations January 8, 9, 10, 1991, Urbana, Illinois.**

Illinois Agricultural Pesticides Conference; Illinois. Natural History Survey Division; University of Illinois at Urbana-Champaign. Cooperative Extension Service.

[Urbana, Ill.] : Cooperative Extension Service, University of Illinois at Urbana-Champaign, [1991]. xxv, 172 p. : ill., maps, forms ; 28 cm.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This book is a compilation of current information, in article form disseminated at the 1991 Illinois Agricultural Pesticides Conference, for anyone who uses or recommends the use of pesticides in a crop management program. The book includes current studies and research results, survey results, and numerous tables.

*NAL Call No.:* SB950.2.I314 1991

### **Illinois pest control handbook.**

University of Illinois at Urbana-Champaign. Cooperative Extension Service; Illinois. Natural History Survey Division.

[Urbana, Ill.] : Cooperative Extension Service, University of Illinois at Urbana-Champaign, 1986-. v. : ill. ; 28 cm.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC animal agricultural pest; PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control

*Abstract:* The Illinois Pest Control Handbook, a compilation of detailed information on pests (insects, plants, animals, fungi, and nematodes) and pesticides (herbicides, insecticides, fungicides, nematicides and restricted-use pesticides), informs

## PATC commercial core training

the applicator how to develop strategies for integrated pest management. It covers pests of field crops and livestock, vegetable crops, ornamentals and turf, homes, yards, and gardens. Many tables cross reference pest problems with recommended pest management guidelines which include control methods instructions, pesticides and treatments. The handbook is revised annually.

*NAL Call No.:* SB950.2.I3I46

### **Industrial, institutional, structural, & health-related pest control.**

Morgan, Edna Ruth.

University of Mississippi. Cooperative Extension Service.

[Mississippi State, Miss.] : Mississippi Cooperative Extension Service, Mississippi State University, [1985]. 109 p. in various pagings : ill. ; 28 cm.

*Place of publication:* Mississippi. *Language:* English.

*Descriptors:* PATC commercial core training; PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* For use by commercial applicators preparing for certification in industrial, institutional, structural and health-related pest control, this manual emphasizes recognition and accurate diagnosis of pest problems. It covers the identification, biology and control of household pests and wood destroying organisms; pesticide toxicity; protective equipment and safety; general guidelines for disaster planning in the event of pesticide spills or contamination; and personnel, equipment and environmental decontamination. Includes study questions and answers and information on Mississippi's pesticide licenses, permits and certificates.

*NAL Call No.:* SB950.2.M7I6 1985

### **Industrial, institutional, structural, and health-related pest control : (supplemental manual for categories 7A and 7B certification).**

Kissam, J. B.

Clemson University. Cooperative Extension Service.

Clemson, S.C. : Clemson University, Cooperative Extension Service, [1980?]. 135 p. : ill. (some col.)

; 28 cm. -- Pesticide training series ; no. 7.

*Place of publication:* South Carolina. *Language:* English.

*Descriptors:* PATC commercial core training; PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* This study guide for certification examinations in the industrial, institutional, structural and health-related pest control categories provides information on techniques and strategies used to control common insect pests, other arthropods, birds, and vertebrates, based on their identification, life cycle and behavior. Pest control in food-processing facilities, commodity and structural fumigation, safety, environmental considerations and pesticide arithmetic are major topics covered. Contains color and black and white pictorial pest keys. Appendices include sample prefumigation and fumigation checklists and worksheets, canister selection information, physical properties of fumigants chart, fumigation apparatus diagram, and list of materials for tarpaulin fumigation.

*NAL Call No.:* SB950.2.S6K57

### **Information for fire fighters on pesticide fires.**

University of Massachusetts at Amherst. Cooperative Extension.

[Amherst, Mass.?] : University of Massachusetts, Cooperative Extension, U.S. Dept. of Agriculture and Massachusetts counties cooperating, [1986?]. [2] p. ; 28 cm. -- L (University of Massachusetts at Amherst. Cooperative Extension) ; 244.

*Place of publication:* Massachusetts. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Covers usual pesticide storage locations, hazards of combustion and explosion, and protective measures used to avoid illness or injury while fighting a pesticide fire and to prevent causing environmental damage afterwards. Reference telephone numbers for Massachusetts provided. For agricultural workers, growers, certified applicators, non-certified applicators and firefighters.



## PATC commercial core training

NAL Call No.: TH9446.H38I5

### **Insect pest management guidelines for California landscape ornamentals.**

Koehler, Carlton S.

University of California (System). Cooperative Extension; University of California (System). Division of Agriculture and Natural Resources.

Oakland, Calif. : Cooperative Extension : [University of California, Division of Agriculture and Natural Resources, c1987. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 3317.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC ornamental, turf pest control; PATC right-of-way pest control

*Abstract:* This manual includes information on diagnosing ornamental plant problems caused by insects, sampling and monitoring landscape pests, determining when control action should be taken, and implementing methods of pest management including biological control, cultural control, physical control, and insecticidal control. It contains a larger table of pest management information by plant species. Suitable for growers (nursery), applicators, and advisors.

NAL Call No.: SB608.O7K64

### **Insecticides and miticides registered for the interior plantscape in Massachusetts, 1988.**

Van Driesche, R. G.; Jenkins, J.

University of Massachusetts (Amherst campus). Cooperative Extension Service; University of Massachusetts at Amherst. College of Food and Natural Resources; United States. Dept. of Agriculture.

[Amherst, Mass.] : Cooperative Extension, University of Massachusetts, [1988]. [4] p. ; 28 cm.

*Place of publication:* Massachusetts. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control

*Abstract:* The agency sponsoring this publication is the Pesticides Program in the Department of Entomology. This publication identifies specific insecticides and miticides registered for interior plantscapes in Massachusetts, reporting toxicity data and defining related terminology.

NAL Call No.: SB951.5.V3

### **The Iowa core manual : a guide for commercial pesticide applicators.**

Wintersteen, Wendy; Sweets, Laura; Fawcett, Dick.

Rev.

Ames, Iowa : Cooperative Extension Service, Iowa State University, 1987. 106, [5] p. : ill., forms ; 28 cm.

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC commercial core training

*Abstract:* In addition to general information and definitions, this manual provides material on safety, environmental effects, equipment, integrated pest management, laws and regulations. Sample test questions and answers are included.

NAL Call No.: SB950.2.I8I55 1987

### **Laundering pesticide contaminated clothing.**

Laughlin, Joan; Gold, Roger E.

Rev. August 1989.

Lincoln, Neb. : Published by Cooperative Extension, Institute of Agriculture and Natural Resources, University of Nebraska, 1989. -- NebGuide ; G89-943.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This NebGuide stresses the importance of wearing protective clothing when working with pesticides and explains step by step how to safely handle and launder pesticide contaminated clothing.

NAL Call No.: S451.N2N3 no.G89-943 1989



## PATC commercial core training

### **The law and regulations on licensing pest control operators : a handbook for commercial pest control operators.**

Arkansas. State Plant Board; Arkansas. Arkansas pest control law. Rev.

Little Rock, Ark. : State Plant Board, Pest Control Section, 1984. 27 p. : ill. ; 22 cm. -- Circular (Arkansas. State Plant Board) ; 6.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC fumigation

*Abstract:* The Arkansas Pest Control Law and the regulations of the State Plant Board for licensing pesticide control applicators are the contents of this handbook. The 1985 regulation changes are attached separately.

*NAL Call No.:* KFA3882.I5A3 1984

### **The Massachusetts "Right-to-Know Law" and the pesticide applicator.**

Van Driesche, Roy.

University of Massachusetts (Amherst campus). Cooperative Extension Service.

[Amherst, Mass.?] : Cooperative Extension Service, University of Massachusetts, U.S. Dept. of Agriculture and County Extension Services cooperating, [1985]. [2] p. ; 28 cm. -- L (University of Massachusetts (Amherst campus). Cooperative Extension Services) ; 357.

*Place of publication:* Massachusetts. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Explains responsibilities of employers who use pesticides to: maintain MSDS files, label pesticide containers, and to train employees. Includes list of pesticides to which the Right-to-Know Act applies. For growers, certified applicators, non-certified applicators and employers of pesticide handlers.

*NAL Call No.:* SB950.2.M4V3

### **Microbial/biorational pesticide registration : proceedings of a seminar, April 23-24, 1985.**

Ferguson, Mary P.; Alford, Harold G.; Seiber, James N., 1940-.

University of California (System). Division of Agriculture and Natural Resources; Western Region IR-4 Program; University of California, Davis. College of Agricultural and Environmental Sciences.

Berkeley, Calif. : Agriculture and Natural Resources Publications, Division of Agriculture and Natural Resources, University of California, [1986?]. vi, 53 p. : map ; 28 cm. -- Special publication (University of California (System). Division of Agriculture and Natural Resources) ; 3318.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC commercial core training; PATC demonstration, research

*Abstract:* This proceedings of a seminar held on April 23-24, 1985 on the registration of microbial/biorational pesticides discusses the need for biorationals in IPM programs, health and environmental concerns, methods of development of microbial and biorational pesticides and pheromones, environmental data requirements, and procedures for registering these materials in California. Intended for growers and advisors.

*NAL Call No.:* SB951.M54

### **[Miscellaneous study materials for commercial applicators].**

Ohio. Dept. of Agriculture Laboratories.

[Columbus, Ohio : The Department, 1959-]. v. : ill. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC forest pest control; PATC public health pest control; PATC fumigation; PATC seed treatment; PATC demonstration, research

## PATC commercial core training

*Abstract:* These commercial applicator study materials include: general core information on Ohio pesticide regulations, Poison Control Centers, pesticide safety and toxicity, and groundwater protection; and information pertaining to the control of plant agricultural, forest, ornamental, turf, vertebrate (bird), structural (termite), public health (mosquito) and stored grain pests; fumigation; seed treatment; and demonstration and research.

*NAL Call No.:* SB952.863.O3M5

### **Mosquito and black fly category manual F-II.**

Tillotson, Sarah.

University of New Hampshire. Cooperative Extension Service.

[Durham, N.H.] : Cooperative Extension Service, University of New Hampshire, [1980?]. 36, 41 p. : ill. ; 28 cm.

*Place of publication:* New Hampshire. *Language:* English.

*Descriptors:* PATC commercial core training; PATC aquatic pest control; PATC public health pest control

*Abstract:* This training manual discusses the biology and control of mosquitoes and black flies. It contains a key to New Hampshire mosquitoes, a glossary, calculation and conversion tables and descriptions of application equipment.

*NAL Call No.:* SB950.2.N4T5

### **Names, manufacturers, & toxicities of pesticides.**

Morgan, Edna Ruth.

[Mississippi State, Miss.] : Cooperative Extension Service, Mississippi State University, [1987?]. 32 p. ; 28 cm. -- Publication (Mississippi State University. Cooperative Extension Service) ; 1219.

*Place of publication:* Mississippi. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Cross referenced listing of selected pes-

ticides, pests they should control, producers, and oral and dermal acute toxicity (LD50) and national and Mississippi emergency numbers. For agricultural workers, growers, certified applicators, non-certified applicators, and the general public.

*NAL Call No.:* 275.29 M68Ext no.1219

### **Nevada pesticide applicator training certification workbook.**

Smith, H. G.

4th rev.

[Reno, Nev.?] : Nevada Cooperative Extension, University of Nevada, [1987]. 136 p. : ill. ; 28 cm. -- SP (Max C. Fleischmann College of Agriculture. Cooperative Extension Service) ; 87-7.

*Place of publication:* Nevada. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Designed to assist individuals preparing for pesticide certification examinations, this workbook developed in Nevada includes general information on federal and state pesticide laws and regulations; pesticide types, labels, formulations, toxicity, and safety, protective clothing and equipment; what to do in pesticide poisoning cases; and equipment selection and calibration. Plant diseases, insects, weeds, vertebrate pests, groundwater contamination, chemigation, and safe and effective applicator practices are discussed. Contains color coded information relevant to the following categories: agricultural plant and animal, forest, ornamental and turf pest control, seed treatment, aquatic, right-of-way, industrial, public health, fumigation, mosquito, and predator pest control and wood preservatives. General information material must be supplemented by reading the Applying Pesticides Correctly handbook.

*NAL Call No.:* S87.S7 no.87-7 1987

### **North Carolina pesticide laws and regulations.**

Wilson, John H. 1933-.

North Carolina. Dept. of Agriculture; North Carolina Agricultural Extension Service. Rev. July, 1989.

[Raleigh, N.C.] : N.C. Dept. of Agriculture and N.C. Agricultural Extension Service, [1989]. 119 p. : ill. ; 28 cm.



## PATC commercial core training

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC pesticide dealers and distributors; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Covers North Carolina laws regulating use of restricted pesticides, pesticide handling and disposal, and applicator licensing. For agricultural workers, growers, certified applicators, and non-certified applicators.

*NAL Call No.:* KFN7780.P4A82 1989

### **Nozzles, selection and sizing.**

Grisso, Robert D.; Klein, Robert N.  
Lincoln, Neb. : Published by Cooperative Extension, Institute of Agriculture and Natural Resources, University of Nebraska, [1990]. -- NebGuide ; G89-955.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This NebGuide covers nozzle description, recommended uses and orifice sizing for farm sprayers.

*NAL Call No.:* S451.N2N3 no.G89-955

### **Ohio pesticide applicator conferences, 1989 : for continuing certification : selected summaries.**

Ohio State University. Cooperative Extension Service; Ohio. Dept. of Agriculture.  
[Columbus, Ohio?] : Ohio State University, Cooperative Extension Service : Ohio Department of Agriculture, [1989]. 1 v. (unpaged) : ill. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC recertification

*Abstract:* This collection of summaries from the 1989 Ohio Pesticide Conference for Continuing Certification enables applicants to update and augment their core and subject specific manuals. The

current information supersedes the information found in the instruction manuals. Includes information pertinent to agricultural animal and plant, aquatic, ornamental and turf, stored, processed, manufactured product, industrial, institutional, structural, forest, and public health pest control.

*NAL Call No.:* SB952.863.O3O3

### **Ohio pesticide law : effective September 1, 1976.**

Ohio. Dept. of Agriculture.  
[Columbus, Ohio] : Ohio Department of Agriculture, Division of Plant Industry, Pesticide Regulation Section, [1976?]. 18 p. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC commercial core training

*Abstract:* The Ohio Pesticide Law, state law and regulations governing pesticides and their use are the contents of this publication.

*NAL Call No.:* KFO380.P4A3 1976

### **Ornamental and turf : pesticide applicator manual.**

Nesheim, O. Norman.  
Rev.

[Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, 1984. 71 p. : ill. ; 28 cm. -- Circular (Oklahoma State University. Cooperative Extension Service) ; E-838.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC commercial core training; PATC ornamental, turf pest control

*Abstract:* This manual provides information on ornamental and turf pests, their damage and their control, equipment calibration, uniform pesticide application, mixing and loading pesticides, and minimizing pesticide use hazards. It contains conversion tables, formulas for calculating calibration, pesticide formulations and area, drawings, and additional references.

*NAL Call No.:* 275.29 Ok41C no.838 1984

### **Ounce calibration.**



## PATC commercial core training

Nebraska Cooperative Extension Service.  
[Lincoln, Neb.] : Nebraska Cooperative Extension Service, Institute of Agriculture and Natural Resources, University of Nebraska-Lincoln, [1987?]. 1 flash card : col. ; 6 x 10 cm. -- E.C. (Nebraska Cooperative Extension Service) ; 87-728.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This wallet-size reference card provides a quick sprayer calibration method with nozzle output in ounces equal to gallons per acre actually applied.

*NAL Call No.:* 275.29 N272Ex no.87-728

### **Persistence and mobility of pesticides in soil and water.**

McBride, Dean K; Peterson, Dallas E.; Lamey, H. Arthur.

Fargo, N.D. : NDSU Extension Service, North Dakota State University, [1988]. 7 p. ; 28 cm. -- Extension bulletin (NDSU Extension Service) ; no. 49.

*Place of publication:* North Dakota. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Provides information on factors involved in pesticide movement to groundwater. Includes charts rating persistence and mobility of certain pesticides in soil. For agricultural workers, growers, certified applicators, non-certified applicators and the general public.

*NAL Call No.:* S544.3.N9N6 no.49

### **Pest management principles for the commercial applicator : animal pest control.**

Scholl, Phil.

University of Wisconsin--Extension. 1st ed.  
[Madison, Wis. : University of Wisconsin--Extension, 1990]. vi, 161 p. : ill. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC animal agricultural pest

*Abstract:* Training manual for commercial pesticide applicators in the animal pest control category. Major topics: pest management principles for control of pests on livestock and companion animals; toxicity of pesticides; protecting human health and the environment; disposal; application methods and equipment calibration; and label information.

*NAL Call No.:* SB950.2.W6P46 1990

### **Pest management principles for the commercial applicator : aquatic pest control.**

Binning, Larry.

Madison, Wis. : University of Wisconsin-Extension, Cooperative Extension Service, 1985. vii, 196 p. : ill. ; 27 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC aquatic pest control

*Abstract:* Training manual for commercial pesticide applicators in the aquatic pest control category. Major topics: swimmer's itch and leech control; aquatic weed control; mosquito control; chemical control of fish; toxicity of pesticides; protecting human health and the environment; disposal; application methods; and label information.

*NAL Call No.:* SB950.2.W6P45

### **Pest management principles for the commercial applicator : aquatic pest control.**

Binning, Larry.

University of Wisconsin--Extension. 2nd ed.  
[Madison, Wis. : University of Wisconsin-Extension, 1990]. vi, 198 p. : ill. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC aquatic pest control

*Abstract:* Training manual for commercial pesticide applicators in the aquatic pest control category. Major topics: managing aquatic plants; mosquito control; chemical control of fish; toxicity of pesticides; protecting human health and the environ-

## PATC commercial core training

ment; disposal; application methods; and label information.

NAL Call No.: SB950.2.W6P45 1990

### **Pest management principles for the commercial applicator : aquatic pest control study guide.**

University of Wisconsin--Extension. Cooperative Extension Service.

Madison, Wis. : University of Wisconsin-Extension, Cooperative Extension Service, 1985. 25, [2] p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC aquatic pest control

*Abstract:* This study guide accompanies "Pest management principles for the commercial applicator : aquatic pest control." It contains multiple choice questions and answers on a variety of subjects including laws and regulations, formulations, safety, application principles, and resistance to pesticides.

NAL Call No.: SB950.2.W6P452

### **Pest management principles for the commercial applicator : aquatic pest control study guide.**

Binning, Larry.

University of Wisconsin--Extension. 2nd ed.

[Madison, Wis. : University of Wisconsin-Extension, 1990]. 27 p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC aquatic pest control

*Abstract:* This study guide accompanies "Pest management principles for the commercial applicator : aquatic pest control." It contains multiple choice questions and answers on subject matter presented in the training manual.

NAL Call No.: SB950.2.W6P452 1990

### **Pest management principles for the commercial applicator : field & vegetable crop pest control study guide.**

Doersch, R. E.

2nd ed.

Madison, Wis. : University of Wisconsin-Extension, 1988]. 38 p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest

*Abstract:* This study guide accompanies "Pest management principles for the commercial applicator : field and vegetable crop pest control." It contains multiple choice questions and answers on a variety of subjects including pesticide regulations, formulations, safety, application principles, and resistance to pesticides.

NAL Call No.: SB950.2.W5P4732 1988

### **Pest management principles for the commercial applicator : forest pest control.**

Worf, Gayle L.

2nd ed.

Madison, Wis. : University of Wisconsin-Extension, 1988. viii, 218 p. : ill. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC forest pest control

*Abstract:* Training manual for commercial pesticide applicators in the forest crop pest control category. Major topics: application of pest management principles for weed, insect, and disease control; toxicity of pesticides; protecting human health and the environment; disposal; equipment calibration; IPM practices; and label information.

NAL Call No.: SB763.W5P47 1988

### **Pest management principles for the commercial applicator : forestry pest control study guide.**

Worf, Gayle L.

2nd ed.

Madison, Wis. : University of Wisconsin-Extension, 1988. 34 p. ; 28 cm.

## PATC commercial core training

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC forest pest control

*Abstract:* This study guide accompanies "Pest management principles for the commercial applicator : forest pest control." It contains multiple choice questions and answers on a variety of subjects including laws and regulations, formulations, safety, application principles, and resistance to pesticides.

*NAL Call No.:* SB763.W5P472 1988

### **Pest management principles for the commercial applicator : fruit crop pest control.**

Mahr, Daniel L.

University of Wisconsin--Extension. 2nd ed.

[Madison, Wis. : University of Wisconsin--Extension, 1989]. viii, 222 p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest

*Abstract:* Training manual for commercial pesticide applicators in the fruit crop pest control category. Major topics: pest management principles for weed, insect, and disease control; toxicity of pesticides; protecting human health and the environment; disposal; application equipment and calibration; and label information.

*NAL Call No.:* SB950.2.W5P47 1989

### **Pest management principles for the commercial applicator : fruit crop pest control study guide.**

Mahr, Daniel L.

University of Wisconsin--Extension. 2nd ed.

[Madison, Wis. : University of Wisconsin--Extension, 1989]. 32 p. : ill. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest

*Abstract:* This study guide accompanies "Pest man-

agement principles for the commercial applicator : fruit crop pest control." It contains multiple choice questions and answers on the material presented in this training manual.

*NAL Call No.:* SB950.2.W5P472 1989

### **Pest management principles for the commercial applicator : fumigation pest control.**

Wedberg, J. L.

2nd ed.

Madison, Wis. : University of Wisconsin-Extension, 1988. 1 v. (various pagings) : ill. ; 30 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC industrial pest control; PATC institutional, structural pest control; PATC fumigation

*Abstract:* Training manual for commercial pesticide applicators in the fumigation pest-control category. Major topics: fumigants; methods of fumigation; principles of insect control; calibration; stored grain fumigation; toxicity of pesticides; protecting human health and the environment; disposal; and label information. Includes study guide of multiple choice questions and answers.

*NAL Call No.:* SB955.F82 1988

### **Pest management principles for the commercial applicator : ornamental and turf pest control.**

Newman, Bob.

2nd ed.

Madison, Wis. : University of Wisconsin-Extension, 1988. viii, 232 p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC ornamental, turf pest control

*Abstract:* Training manual for commercial pesticide applicators in the ornamental and turf pest control category. Major topics: application of pest management principles for weed, insect, and disease control; toxicity of pesticides; protecting human health and the environment; disposal; equipment calibration; IPM practices; and label information.



## PATC commercial core training

NAL Call No.: SB603.5.P48 1988

### **Pest management principles for the commercial applicator : ornamental and turf pest control study guide.**

Newman, Bob.

2nd ed.

Madison, Wis. : University of Wisconsin-Extension, 1988. 34 p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC ornamental, turf pest control

*Abstract:* This study guide accompanies "Pest management principles for the commercial applicator : ornamental and turf pest control." It contains multiple choice questions and answers on a variety of subjects including laws and regulations, formulations, safety, application principles, and resistance to pesticides.

NAL Call No.: SB603.5.P482 1988

### **Pest management principles for the commercial applicator : right-of-way pest control.**

Doll, Jerry D.; Neher, Nick; Flashinski, Roger.

2nd ed.

Madison, Wis. : University of Wisconsin-Extension, 1988. vi, 159 p. : ill., forms ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC right-of-way pest control

*Abstract:* Training manual for commercial pesticide applicators in the right-of-way pest control category. Major topics: classification and types of weeds; application methods; principles of vegetation management; toxicity of pesticides; protecting human health and the environment; disposal; and label information.

NAL Call No.: SB612.W5P47 1988

### **Pest management principles for the commercial applicator : right-of-way pest control study guide.**

Doll, Jerry D.; Neher, Nick; Flashinski, Roger.

2nd ed.

Madison, Wis. : University of Wisconsin-Extension, 1988. 27 p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC right-of-way pest control

*Abstract:* This study guide accompanies "Pest management principles for the commercial applicator : right-of-way pest control." It contains multiple choice questions and answers on a variety of subjects including laws and regulations, formulations, safety, application principles, and resistance to pesticides.

NAL Call No.: SB612.W5P472 1988

### **Pest management principles for the commercial applicator : seed treatment pest control.**

Worf, Gayle.

University of Wisconsin--Extension.

[Madison, Wis. : University of Wisconsin--Extension, 1990]. vi, 131 p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC seed treatment

*Abstract:* Training manual for commercial pesticide applicators in the seed treatment pest control category. Major topics: pest management principles for control of seed pests; toxicity of pesticides; protecting human health and the environment; disposal; application methods and equipment calibration; and label information.

NAL Call No.: SB118.43.P47 1990

### **Pest management principles for the commercial applicator : seed treatment pest control study guide.**

Worf, Gayle.

University of Wisconsin--Extension. 1st ed.

[Madison, Wis. : University of Wisconsin--Extension, 1990]. 20 p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training;

## PATC commercial core training

### PATC seed treatment

*Abstract:* This study guide accompanies "Pest management principles for the commercial applicator : seed treatment pest control." It contains multiple choice questions and answers on the material presented in this training manual.

*NAL Call No.:* SB118.43.P472 1990

### **Pest management principles for the commercial applicator : structural pest control.**

Pellitteri, Phil.

2nd ed.

Madison, Wis. : University of Wisconsin-Extension, Cooperative Extension, 1988. vi, 210 p. : ill. : 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* Training manual for commercial pesticide applicators in the structural pest control category. Major topics: principles of insect control; commensal rodents; pest birds; application equipment and calibration; toxicity of pesticides; protecting human health and the environment; disposal; and label information.

*NAL Call No.:* SB950.2.W6P44 1988

### **Pest management principles for the commercial applicator : structural pest control study guide.**

Pellitteri, Phil.

2nd ed.

Madison, Wis. : University of Wisconsin-Extension, Cooperative Extension, 1988. 29 p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC wood destroying organisms; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* This study guide accompanies "Pest management principles for the commercial applicator : structural pest control." It contains multiple

choice questions and answers on a variety of subjects including laws and regulations, formulations, safety, application principles, and resistance to pesticides.

*NAL Call No.:* SB950.2.W6P442 1988

### **Pest management principles for the commercial applicator : using tributyltin (TBT) antifouling paint.**

Bergman, Ed; Neher, Nick; Flashinski, Roger.

1st ed.

[Madison, Wis. : University of Wisconsin-Extension, 1990]. iv, 65 p. : ill. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC anti-fouling paint pest control

*Abstract:* Training manual for commercial pesticide applicators using antifouling paints containing tributyltin. Major topics: using antifoulant paints; toxicity of pesticides; protecting human health and the environment; disposal; application techniques; and label information.

*NAL Call No.:* VM961.B47 1990

### **Pest management principles for the commercial applicator : wood preservation pest control.**

University of Wisconsin--Extension. Slightly rev. May 1988.

Madison, Wis. : University of Wisconsin-Extension], 1988. ca. 147 p. : ill. ; 30 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC wood destroying organisms; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* Training manual for commercial applicators in the wood preservation pest control category. Major topics: wood pests; wood preservatives; application of wood preservatives; toxicity of pesticides; protecting human health and the environment; disposal; consumer information sheets; and label information.

*NAL Call No.:* SB950.2.W6P4 1988



## PATC commercial core training

### **Pest management principles for the commercial applicator : wood-destroying organisms.**

Pellitteri, Phil; Neher, Nick; Flashinski, Roger.

2nd ed.

[Madison, Wis. : University of Wisconsin-Extension, 1988]. 1 v. (various pagings) : ill. ; 30 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC wood destroying organisms; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* Training manual for commercial pesticide applicators in the wood-destroying organisms pest control category. Major topics: wood decay in structures; termites; principles of insect control; application equipment and calibration; toxicity of pesticides; protecting human health and the environment; disposal; and label information. Includes study guide containing multiple choice questions.

*NAL Call No.:* SB950.2.W6W6 1988

### **Pesticide application and safety training.**

Stimmann, M. W.

University of California (System). Division of Agricultural Sciences. Rev.

Berkeley, Calif. : University of California, Division of Agricultural Sciences, Cooperative Extension, 1983. 107 p. : ill. ; 28 cm. -- Publication (University of California (System). Division of Agricultural Sciences) ; 4070.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Safe pesticide use is the focus of this applicator training manual. Major topics covered are pests, pesticide classifications and formulations, labels and labeling, toxicology, pesticide poisoning symptoms and first aid treatments, pesticide handling, protective clothing and safety devices, equipment and calibration, adverse environmental effects, pesticide compatibility and combination, residues, and non-chemical pest control strategies. Includes toxicity charts, checklists for

avoiding pesticide exposure, and a glossary of pesticide terminology.

*NAL Call No.:* SB952.5.S7 1983

### **Pesticide application and safety training study guide : general.**

Colorado. Division of Plant Industry. Rev. 2/90.

Denver, Colo. : Colorado Dept. of Agriculture, Division of Plant Industry, [1990]. 81 p. : ill. ; 28 cm.

*Place of publication:* Colorado. *Language:* English.

*Descriptors:* PATC commercial core training

*Abstract:* This general Colorado study guide/manual for commercial pesticide applicators covers the pesticide planning and safety principles, pesticide toxicity and poisoning, storing, mixing and handling, pesticide classification, formulation and labels. Pesticide application techniques and equipment are described. Insects, vertebrate pests and plant diseases are discussed. Safety, first aid treatments and environmental concerns are addressed. Calibration tables, area formulas and application rates and equivalent tables are given. A glossary is included. Colorado State Extension Service Offices' addresses and telephone numbers and the Rocky Mountain Poison Control Center toll free telephone number are listed.

*NAL Call No.:* SB952.5.P464 1990

### **Pesticide applicator certification.**

Nesheim, O. Norman.

[Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, [1981]. -- OSU extension facts ; no. 7455.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Explains why pesticide applicators must be certified, who must be certified, Oklahoma certification procedures, where to take examinations and permits, fees, and bonds. Includes summary of information on pesticide labels. For private and commercial applicators and non-commercial applicators.



## PATC commercial core training

NAL Call No.: S544.3.O5O5 no.7455

### **Pesticide applicator training : [core].**

Purdue University.

[West Lafayette, Ind.] : Purdue University, [198-?].

1 v. (various pagings) : ill. (some col.) ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC commercial core training

*Abstract:* This study guide is designed to prepare commercial pesticide applicators for the core certification exam. The principles of pest control are its primary focus. Correct pesticide application and disposal procedures, protective devices, label requirements, and laws regulating sale, use, and application of pesticides are covered. Reporting environment emergencies, containing and cleaning spills, protecting groundwater, and treating human pesticide poisoning are addressed. Restricted Use Pesticide Product List, June 1987, core training multiple choice pre-tests, formulations and applications methods test, and true and false post test are included.

NAL Call No.: SB951.P462

### **Pesticide applicator training manual : core manual.**

Northeastern Regional Pesticide Coordinators; New York State College of Agriculture and Life Sciences. Chemical-Pesticides Program. 2nd ed.

[Ithaca, N.Y.?] : The Coordinators, 1990. 1 v. (loose-leaf) : ill. ; 30 cm.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* The 2nd edition of the core manual for pesticide applicator training in the Northeastern United States (MA, CT, MD, PA, NJ, ME, NH, RI, NY, WV, VT and DE) contains the basic critical information pesticide applicators are required to know in order to pass their state certification examination. The first section of the manual covers background information on: rules and regulations; safety; toxicity; ecological dangers and environmental concerns; and symptoms and first aid for pesticide poisoning. Part 2 focuses on IPM, identification of pests, types of pesticides, pesticide

labels and labeling, application equipment, equipment calibration, pesticide disposal, pesticide storage and required record keeping. Includes chapter of self-study questions and answers and a glossary.

NAL Call No.: SB952.863.A115P4 1990

### **Pesticide applicator training program.**

Utah State University. Cooperative Extension Service; Utah State University.

Logan, Utah : Cooperative Extension Service, Utah State University, [1990]. 1 portfolio : ill. (some col.) ; 30 cm. + 2 emergency telephone numbers cards.

*Place of publication:* Utah. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This packet provides educational training and information to assist pesticide applicators in becoming certified or recertified in Utah to buy and use restricted use pesticides.

NAL Call No.: SB950.2.U8P472

### **Pesticide applicator training program : core supplement.**

Alm, Steven R.; Siligato, Peggy.

Kingston, R.I. : University of Rhode Island, Cooperative Extension, College of Resource Development, [1991]. 208 p. : ill., map ; 28 cm.

*Place of publication:* Rhode Island. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This manual for private and commercial applicators in Rhode Island supplements Cornell's core training manual. Major topics covered include: pesticide safety and handling; groundwater protection; federal and state right-to-know laws; pesticide measurement, application, calibration, and additives; pesticides and health; pesticide issues; and applicator licensing and certification procedures. Includes a pesticide telephone directory and five work sheets and corresponding answer sheets.

## PATC commercial core training

NAL Call No.: SB952.8.P47

### **Pesticide applicator training update.**

Florida Cooperative Extension Service.

Gainesville, Fla. : The Service, 1987. 11 p., [8] p. of plates : ill. ; 28 cm.

*Place of publication:* Florida. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This booklet for certified pesticide applicators contains important updated information on applying pesticides correctly. Topics covered are: Florida pesticide law and rules, disposal of pesticide waste containers, handling pesticide spills, groundwater advisory statement on pesticide labels, endangered species pesticide label restrictions, and laundering the pesticide applicator's clothing. Includes 4 detachable safety posters: Pesticide Spill Clean-up Instructions, Triple Rinse, Rubber Glove Zone and Pesticide Applicator's Phone List.

NAL Call No.: SB950.2.F6P4

### **Pesticide applicator's training core manual for general ground application category A.**

University of Minnesota. Cooperative Extension Service.

[St. Paul, Minn.] : Minnesota Extension Service, University of Minnesota, [198-?]. 1 v. (various pagings) : ill. ; 28 cm.

*Place of publication:* Minnesota. *Language:* English.

*Descriptors:* PATC commercial core training

*Abstract:* This Minnesota core manual is a guide for the commercial and non-commercial pesticide applicator. This manual is designed to familiarize the applicator with knowledge of the proper use and handling techniques of "restricted-use" chemicals. Pesticide laws and regulations, label information, formulations and mixtures, storage and disposal are covered. Environmental concerns presented include groundwater protection, drift and the development of resistance. Safe handling discussions recommend protective clothing and address fires, spills, accident prevention,

transportation dangers and pesticide poisoning. A sample label, toxicity charts and a glossary are included.

NAL Call No.: SB952.863.M6P47

### **Pesticide education manual : a guide to safe use and handling.**

Brown, Cynthia L.; Hock, Winand K.; Gucciardo, Linda S.

[Augusta, Me.?] : University of Maine Cooperative Extension, 1989. vi, 105 p. : col. ill. ; 28 cm. + 1 commercial applicator certification packet + 1 1990 update sheet + 1 emergency phone numbers sheet.

*Place of publication:* Maine. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This core manual for private and commercial pesticide applicators provides information on pests, integrated pest management (IPM) concepts, pesticide formulations and labels, pesticide hazards and safety, equipment, and federal and Maine pesticide laws. Includes chapter review questions and an answer key, conversion factors and pesticide calculations, and a glossary.

NAL Call No.: SB952.863.M2P4

### **Pesticide education manual : a guide to safe use and handling.**

Morgan, Edna Ruth; Brown, Cynthia L.

Mississippi State University. Cooperative Extension Service.

[Mississippi State, Miss.] : Cooperative Extension Service, Mississippi State University, [1990]. v, 103 p. : ill. ; 28 cm. -- Publication (Mississippi State University. Cooperative Extension Service) ; 1478.

*Place of publication:* Mississippi. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Designed to prepare individuals seeking private or commercial applicator certification for the core examination, this manual covers pests, integrated pest management (IPM), insect, weed, vertebrate pest and disease control, pesticide for-



## PATC commercial core training

mulations, labels, toxicity, federal and state pesticide laws and regulations, safe use and handling practices, environmental concerns including groundwater contamination, application equipment maintenance and calibration. Review questions follow each chapter; answers are provided. Contains a glossary, mathematical conversion factors and pesticide dosage calculations.

*NAL Call No.:* 275.29 M68Ext no.1478

### **Pesticide equipment calibration : formulas, conversion & examples.**

Vandre, Wayne.

Anchorage, Alaska : Cooperative Extension Service, [198-?]. 1 v. (unpaged) ; 28 cm.

*Place of publication:* Alaska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This manual for pesticide applicators in the state of Alaska, stresses the correct application rate of pesticides. Pesticide equipment calibration techniques, formulas and examples are cited for: compressed air sprayers; boom sprayers; and nozzles. Calculation formulas for mixing all types of pesticides are given, along with examples. Pesticide formulations are compared in terms of advantages and disadvantages to enable the applicator to make appropriate combination selections.

*NAL Call No.:* SB961.V36

### **Pesticide exposure.**

South Dakota State University.

[Brookings, S.D. : South Dakota State University, 198-?]. 18 transparencies : b&w ; 28 x 22 cm. + 1 script (8 p.).

*Place of publication:* South Dakota. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This training packet on pesticide exposure covers routes of entry (oral, dermal, and inhalation), ways to reduce exposure including protective clothing, acute versus chronic toxicity, and decontamination. Transparencies with text and graphics

and a script are included.

*NAL Call No.:* Transparency no.1

### **The pesticide label.**

Schulze, Larry D.; Kamble, Shripat T.

Lincoln, Neb. : Published by Cooperative Extension, Institute of Agriculture and Natural Resources, University of Nebraska, 1989. -- NebGuide ; G89-937.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This NebGuide identifies and discusses the importance of the parts of a pesticide label. A sample label with numbered parts is provided for reference. This publication aims to further understanding of pesticide labels and the safe and proper application of pesticides.

*NAL Call No.:* S451.N2N3 no.G89-937

### **Pesticide laws and regulations.**

Vitzthum, Edward F.; Schulze, Larry D.; Gold Roger E.

Rev. August 1987.

Lincoln, Neb. : Published by Cooperative Extension Service, Institute of Agriculture and Natural Resources, University of Nebraska, 1987. -- NebGuide ; G79-479.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This NebGuide intended solely for general information use discusses some provisions of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and of the Nebraska Pesticides and Devices Act. It covers FIFRA's sections on private and commercial applicator user categories, certification, unlawful acts, and penalties. The Nebraska law's certification requirements and commercial applicator categories are presented.

*NAL Call No.:* S451.N2N3 no.G79-479 1987

### **Pesticide licensing guide.**

Thomasson, Gary L.; Ramsay, Carol A.



## PATC commercial core training

Rev. October 1989.

[Pullman, Wash.?] : Cooperative Extension, College of Agriculture and Home Economics, Washington State University, 1989. 1 v. (unpaged) ; 28 cm.

*Place of publication:* Washington. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* The state of Washington instructions and requirements for pesticide certification and licensing examinations are covered in this guide.

*NAL Call No.:* SB952.863.W2P49 1989

### **Pesticide poisoning signs & symptoms.**

Nebraska Cooperative Extension Service; Pennsylvania State University. Cooperative Extension Service. Rev.

[University Park, Pa.] : Pennsylvania Cooperative Extension, 1988. 80 slides : col. + 1 sound cassette (ca. 30 min.) + 1 script.

*Place of publication:* Pennsylvania. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This slide/tape program with accompanying script describes signs and symptoms of poisoning by organophosphates, carbamates, bipyrldyls, and organochlorines, what to do in a pesticide poisoning situation, and medical and emergency treatment. It shows a farmer experiencing pesticide poisoning due to unsafe pesticide application habits and lack of protective clothing, his wife's recognition and appropriate handling of the poisoning and his medical treatment. Used in private and commercial applicator certification training.

*NAL Call No.:* Slide no.338

### **Pesticide registrants and brands.**

Adams, Donald S.  
Clemson University. Fertilizer and Pesticide Control. [1990 ed.].

[Clemson, S.C.] : The Dept., [1990].

*Place of publication:* South Carolina. *Language:*

English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This manual contains a listing of pesticide products for sale in the state of South Carolina registered with the Department of Fertilizer and Pesticide Control as required by state law. The list cross references the manufacturers, products and year of registration. Restricted Use Products are identified with an asterisk.

*NAL Call No.:* SB951.S629 1990

### **Pesticide safety in the greenhouse.**

University of California, Davis. Visual Media.

Davis, Calif. : Visual Media, University of California, Davis, [1986]. 1 videocassette (VHS) (21 min.) : sd., col. ; 1/2 in.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC ornamental, turf pest control

*Abstract:* This video, developed under a grant from the U.S. Environmental Protection Agency, is designed to aid managers and supervisors in identification and resolution of problems inherent in greenhouse use of pesticides.

*NAL Call No.:* Videocassette no.359

### **Pesticide storage for farms and businesses.**

Cress, Donald C.

Kansas State University. Cooperative Extension Service.

[Manhattan, Kan.?] : Kansas State University, Cooperative Extension Service, [1991?]. 1 videocassette (16 min., 30 sec.) : sd., col. ; 1/2 in. -- Pesticide applicator training series.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This videotape provides an overview of pesticide storage concerns and explains how to safely store pesticides. Floor plans, building mate-

## PATC commercial core training

rials, safety features and considerations when building a new or renovating an existing pesticide storage structure are discussed. It emphasizes the minimum features a pesticide storage building should have: warning signs, locked doors accessible only to authorized persons, separation of chemicals by pesticide class (herbicide, fungicide, or insecticide), proper container shelving arrangements, a clean water supply, and temporary storage of empty containers until proper rinsing and disposal.

*NAL Call No.:* Videocassette no.981

### **Pesticide study questions : pesticide training manual.**

Wilson, John H.

North Carolina Agricultural Extension Service.

Raleigh, N.C. : North Carolina Agricultural Extension Service, [1986?]. 80 p. ; 28 cm.

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC institutional, structural pest control; PATC pesticide dealers and distributors

*Abstract:* This handbook is a self-study guide containing sample and review questions for pesticide applicators preparing for their certification examination in the state of North Carolina or for structural pest control certification.

*NAL Call No.:* SB950.73.U52N8

### **Pesticide users guide.**

Waldron, Acie C.; Goleman, D. Lyle.

Ohio State University. Cooperative Extension Service.

[Columbus, Ohio] : Ohio Cooperative Extension Service, Ohio State University, [1989]. 12 p. : ill. ; 28 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 745.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC commercial core training

*Abstract:* This guide includes information on pesticides, toxicity of pesticides, protective clothing and devices, cleanup, disposal, storage, and hand-

ling spills. It contains pesticide recommendations, addresses and telephone numbers of Ohio and some out-of-state Poison Control Centers, emergency contacts, and Ohio safety equipment suppliers.

*NAL Call No.:* 275.29 Oh32 no.745

### **Pesticides : how they work, personal safety and emergency measures.**

Osmun, John V.; Hollingworth, Robert M., 1939-Purdue University. Cooperative Extension Service. Rev. 7/89.

West Lafayette, Ind. : Purdue University Cooperative Extension Service, 1989. 16 p. : ill. ; 28 cm. -- E (Purdue University. Cooperative Extension Service) ; 62.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Discusses principles of pesticide toxicity, hazards and routes of exposure. Also covers pesticide poisoning symptoms, first aid and safety tips. For agricultural workers, growers, certified applicators, non-certified applicators and the general public.

*NAL Call No.:* SB844.I6P8 no.62 1989

### **Pesticides covered under SARA Title III.**

Hamilton, George C., 1957-.

New Brunswick, N.J. : Rutgers Cooperative Extension, N.J. Agricultural Experiment Station, Rutgers, the State University of New Jersey, [1988?].

*Place of publication:* New Jersey. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* New Jersey fact sheet #353 cross references 400 chemicals used as pesticides on the EPA Extremely Hazardous Substances List (SARA Title III) by common name, trade name, threshold planning quantity and reportable quantity.

*NAL Call No.:* S544.3.N5F7 no.353



## PATC commercial core training

### Prevention and treatment of pesticide poisoning.

Jennings, Bringle; Fant, Charlotte Mills.

[Rev.].

[Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, 1989. -- MP (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 198.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Covers first aid and emergency response for pesticide poisoning including preparation of appropriate first aid kits. Includes Arkansas Poison Control Center numbers. For agricultural workers, growers, certified applicators, non-certified applicators, and the general public.

*NAL Call No.:* 275.29 Ar4Mi no.198 1989

### Protecting Alaska's groundwater quality.

Vandre, Wayne.

University of Alaska (System). Cooperative Extension Service.

[Fairbanks, Alaska] : Cooperative Extension Service, University of Alaska Fairbanks ; USDA, [1990].

[Washington, D.C.?] [2] p. ; 28 cm.

*Place of publication:* Alaska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners

*Abstract:* Preventative measures to protect groundwater quality are highlighted in this publication for individuals including farmers, home gardeners, and applicators, using pesticides in Alaska.

*NAL Call No.:* TD427.P35V3

### Protecting groundwater from pesticides.

Iowa State University. Cooperative Extension Service.

[Ames, Iowa : Iowa State University Extension], c1990. 1 videocassette (18 min.) : sd., col. ; 1/2 in. -- Pesticide applicator training series.

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Five pesticide applicator practices to minimize groundwater contamination from pesticides are emphasized in this videotape. Three factors which influence whether a pesticide will reach groundwater--land, soil type and depth to groundwater--are examined. Persistence, solubility and absorption, three pesticide characteristics to consider when evaluating its potential for leaching, are discussed. The importance of reading and following the pesticide label, integrated pest management (IPM) techniques, and proper storage and disposal of pesticides to maintain groundwater quality are stressed.

*NAL Call No.:* Videocassette no.985

### Protecting honey bees from pesticides.

Chaney, Bill.

Purdue University. Cooperative Extension Service; Purdue University. Dept. of Entomology.

West Lafayette, Ind. : Cooperative Extension Service, Purdue University, [1986?]. [4] p. ; 28 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC commercial core training

*Abstract:* This publication explains how to protect honey bees from pesticides by using integrated pest management practices and by reducing the risk of poisoning. It contains tables of relatively nontoxic, moderately and highly toxic pesticides.

*NAL Call No.:* SF524.52.I6C4

### Protecting South Carolina groundwater quality : a workbook for certified pesticide applicators.

Clemson University. Cooperative Extension Service.

Clemson, S.C. : Cooperative Extension Service, Clemson University, [1990]. 9 p. ; 28 cm. -- WQL ; 11.



## PATC commercial core training

*Place of publication:* South Carolina. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This workbook for certified pesticide applicators contains 47 multiple choice questions on groundwater and protecting South Carolina groundwater quality.

*NAL Call No.:* TD224.S6P77

### **Protecting water, protecting crops : pesticides and water quality.**

North Carolina Agricultural Extension Service; North Carolina State University. National version.

Raleigh, N.C. : North Carolina State University : North Carolina Agricultural Extension Service, [1987?]. 1 videocassette (23 min.) : sd., col. ; 1/2 in. + 1 summary fact sheet.

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Covers how pesticides enter the water supply through drift, evaporation, runoff, leaching, improper disposal, and chemigation. Highlights practical actions to prevent contamination including integrated pest management. Includes national groundwater vulnerability map and pinpoints a dozen pesticides of greatest concern as groundwater contaminants. Video for certified applicators; non-certified applicators and growers.

*NAL Call No.:* Videocassette no.915

### **Protection of groundwater from fertilizers and pesticides.**

McWilliams, D. A.  
Texas Agricultural Extension Service.  
College Station, Tex. : Texas Agricultural Extension Service, [1990?]. 16 p. : ill. ; 28 cm. -- B (Texas Agricultural Extension Service) ; 1642.

*Place of publication:* Texas. *Language:* English.

*Descriptors:* PATC private core training; PATC

commercial core training

*Abstract:* This booklet prepared by the Texas Agricultural Extension Service alerts pesticide applicators to environmentally safe practices for using fertilizers and pesticides. Tables include control practices to prevent nitrogen loss, manure loss, and phosphorus loss as well as practices to prevent pesticide loss. Contains check lists of do's and don'ts for using nitrogen and phosphate fertilizers, manure and other organic materials, and pesticides. Includes map from the Texas Water Commission indicating groundwater pollution potential ratings, called DRASTIC indices, which evaluate seven measurable factors for each hydrogeologic setting.

*NAL Call No.:* TD428.A37P7

### **Protective clothing and equipment for pesticide applicators.**

Vitzthum, Edward F.; Nelson, Emery W.; Anderson, Lloyd W. 1924-.

Lincoln, Neb. : Published by Cooperative Extension Service, Institute of Agriculture and Natural Resources, University of Nebraska, 1985. -- NebGuide ; G85-758.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* The NebGuide describes the proper protective clothing and equipment required for safety when applying slightly, moderately and highly toxic pesticides. It contains a protective clothing and equipment guide based on pesticide formulation and degree of toxicity, addresses of manufacturers and suppliers of approved respirators and protective apparel, clothing care tips, and metric conversions.

*NAL Call No.:* S451.N2N3 no.G85-758

### **Protective clothing for pesticide users.**

National Agricultural Chemicals Association; United States. Extension Service; United States. Environmental Protection Agency.

Washington, D.C. : National Agricultural Chemicals Association : U.S. Dept. of Agriculture, Extension Service : U.S. Environmental Protection Agency, [198-?]. 1 sheet : col. ill. ; 56 x 43 cm.

## PATC commercial core training

folded to 28 x 22 cm.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This safety poster provides information on how to select and care for protective clothing and equipment for pesticide applicators handling dilute pesticides and concentrates. The potential hazards of pesticides and safety precautions are discussed.

*NAL Call No.:* SB952.5.P75

### **Protective clothing for pesticide users.**

National Agricultural Chemicals Association; United States. Dept. of Agriculture; United States. Environmental Protection Agency.

[Columbus, Ohio] : The Service, 1988 printing. 1 v. (unpaged) : col. ill. ; 28 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 750.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This booklet provides information on how to select and care for protective clothing and equipment for applicators handling dilute pesticides and concentrates. The potential hazards of pesticides and safety precautions are discussed. The last page covers pesticide and empty container disposal and groundwater protection.

*NAL Call No.:* 275.29 Oh32 no.750

### **Public health.**

Brown, Steven L.

Alabama Cooperative Extension Service.

[Auburn, Ala.] : Alabama Cooperative Extension Service, Auburn University, [1985?]. 67 p. : ill. ; 28 cm. -- Circular ANR ; 430.

*Place of publication:* Alabama. *Language:* English.

*Descriptors:* PATC commercial core training; PATC public health pest control

*Abstract:* The purpose of this manual is to prepare

persons for the Alabama commercial pesticide certification examination in the Public Health Pest Control category. Arthropod pests of public health importance; life cycles of insects and arachnids; principal diseases of man caused by pathogens (disease causing agents) transmitted by cockroaches, lice, mosquitoes, black flies, deer flies, fleas, chigger mites and ticks; vector-borne disease control methods; and the types of pesticide application equipment used in public health pest control, and how to calibrate and maintain them are discussed in this manual. Basic information on pests; pest control, pesticides, and record keeping; understanding labels and pesticide laws and regulations; safe handling, use, storage and disposal of pesticides, protective clothing and equipment; pesticide poisoning recognition and first aid procedures; and practices for minimizing environmental hazards is presented.

*NAL Call No.:* S544.3.A2C47 no.430

### **Reading a pesticide product label.**

Kamrin, Michael.

[East Lansing, Mich.] : Center for Environmental Toxicology, Cooperative Extension Service, Michigan State University, [1989].

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Eleven legal pesticide label requirements are indicated on a sample label and described in this publication. Signal words which denote toxicity categories and the use classification statement are discussed. Pesticide Emergency Information is supplied.

*NAL Call No.:* 275.29 M58B no.E-2182

### **Restricted use pesticides.**

9th ed.

Mississippi State, Miss. : Extension Service, Mississippi State University, 1989]. -- Publication (Mississippi State University. Cooperative Extension Service) ; 1222.

*Place of publication:* Mississippi. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified ap-



## PATC commercial core training

plicator

*Abstract:* Lists restricted use pesticides available in Mississippi giving reasons why each pesticide is restricted. Includes cross reference of common and commercial pesticide names and instruction on how to become a private or commercial certified applicator in Mississippi. For growers, certified applicators, and non-certified applicators.

*NAL Call No.:* 275.29 M68Ext no.1222 1989

### **Right-of-way pest control.**

Clemson University. Cooperative Extension Service.

Clemson, S.C. : Clemson University, Cooperative Extension Service, 1977. i, 13, [1] leaves : ill. ; 28 cm. -- Pesticide training series ; no. 6.

*Place of publication:* South Carolina. *Language:* English.

*Descriptors:* PATC commercial core training; PATC right-of-way pest control

*Abstract:* Topics covered in this right-of-way pest control certification preparation guide for commercial applicators include types of weeds (grasses, broadleaf and woody plants), weed management and control methods, types of herbicides, application equipment, safe and effective herbicide application practices, aquatic plant management, and recordkeeping.

*NAL Call No.:* SB950.2.S6R5

### **Ropa protectora para los que usan pesticidas.**

National Agricultural Chemicals Association; United States. Extension Service; United States. Environmental Protection Agency.

Washington, D.C. : National Agricultural Chemicals Association : U.S. Dept. of Agriculture, Extension Service : U.S. Environmental Protection Agency, [198-?]. 1 sheet : col. ill. ; 56 x 43 cm. folded to 28 x 22 cm.

*Place of publication:* District of Columbia. *Language:* Spanish.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This safety poster provides information on how to select and care for protective clothing and equipment for pesticide applicators handling dilute pesticides and concentrates. The potential hazards of pesticides and safety precautions are discussed.

*NAL Call No.:* SB952.5.P7518

### **The safe and effective use of pesticides.**

Marer, Patrick J.; Flint, Mary Louise, 1949-; Stimmann, Michael W.

University of California Integrated Pest Management Program.

Oakland, Calif. : University of California Statewide Integrated Pest Management Project, Division of Agriculture and Natural Resources, 1988. x, 387 p. : ill. ; 28 cm. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 3324. -- Pesticide application compendium ; 1.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners

*Abstract:* Developed for use as a study guide for the State of California Qualified Pesticide Applicator License (QL) or Qualified Pesticide Applicator Certificate (QC) examinations, this manual provides information on how to use, handle, select, store, clean-up and dispose of pesticides safely and effectively. Pest identification, pest management concepts, and personal and environmental hazards associated with pesticide use are covered. Pesticide laws and regulations, protective clothing and equipment, first aid, procedures for handling emergencies, application equipment and calibration are discussed. Includes a glossary and conversion factors for calibration. This instructional guide is also a useful reference for growers, structural pest control operators, pest control advisors, pest management students, homeowners, or anyone involved in pesticide use decisions.

*NAL Call No.:* SB951.M29

### **Safe handling of agricultural pesticides.**

Jennings, Bringle.

University of Arkansas, Fayetteville. Cooperative Extension Service. [Rev. 3-89].

[Fayetteville, Ark.?] : Cooperative Extension Ser-



## PATC commercial core training

vice, University of Arkansas, U.S. Dept. of Agriculture, and county governments cooperating, [1989]. 1 folded sheet (12 p.) : ill. ; 23 x 10 cm. -- EL (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 612.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC commercial core training

*Abstract:* The safe handling of agricultural pesticides is stressed in this pamphlet which highlights the safety procedures for buying, using, storing, transporting and disposing of pesticides and their containers. Symptoms of pesticide poisoning as well as signal words on pesticide labels are explained for users of pesticides in the state of Arkansas.

*NAL Call No.:* 275.29 Ar4Le no.612 1989

### Safe handling of pesticides.

Zavala, Melanie.

University of California, Davis. Visual Media.

Davis, Calif. : Visual Media, [1984?]. 115 slides : col. + 1 sound cassette (15 min.) + 1 script (21 l. ; 28 cm.).

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator; PATC plant agricultural pest

*Abstract:* This slide/tape set is aimed at the non-certified pesticide applicator, and also has information of value for the fieldworker who is exposed only indirectly to pesticides. The topics covered include modes of entry of pesticides into the body, poisoning symptoms, first aid procedures, protective clothing, common sense ways of avoiding exposure and personal hygiene. Although the slide set reflects California regulations to a certain extent, it has general information of relevance to all pesticide users.

*NAL Call No.:* Slide no.294

### Safety and clean up tips.

University of Massachusetts (Amherst campus). Cooperative Extension Service.

[Amherst, Mass.?] : Cooperative Extension Service, University of Massachusetts, U.S. Dept. of Agriculture and County Extension Services

cooperating, [1985?]. 1 sheet ; 28 cm. -- L (University of Massachusetts (Amherst campus). Cooperative Extension Services) ; 235.

*Place of publication:* Massachusetts. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC non-certified applicator

*Abstract:* Single sheet provides safety tips for use of pesticides and cleanup of spills around the home. Gives numbers for Massachusetts Poison Information Center. For growers, certified applicators, non-certified applicators and the general public.

*NAL Call No.:* SB952.5.S325

### The SARA Title III law.

Hamilton, George C., 1957-.

New Brunswick, N.J. : Rutgers Cooperative Extension, N.J. Agricultural Experiment Station, Rutgers, the State University of New Jersey, [1988?].

*Place of publication:* New Jersey. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* New Jersey fact sheet #352 explains the SARA (Superfund Amendments and Reauthorization Act of 1986) Title III federal Right-To-Know (RTK) program as it affects New Jersey pesticide applicators, applicator business and pesticide dealers in the required emergency planning and notification, emergency release reporting including regulations on drifts and spills, material safety data sheet reporting, and chemical inventory reporting.

*NAL Call No.:* S544.3.N5F7 no.352

### Seed treatment.

Brown, Steven L.

Alabama Cooperative Extension Service.

[Auburn, Ala.] : Alabama Cooperative Extension Service, Auburn University, [1985?]. 64 p. : ill. ; 28 cm. -- Circular ANR ; 434.

*Place of publication:* Alabama. *Language:* English.

*Descriptors:* PATC commercial core training;

## PATC commercial core training

### PATC seed treatment

*Abstract:* This study guide is designed to prepare persons seeking certification in Alabama's commercial pesticide applicator Seed Treatment Pest Control Category. It provides general information on pests; pest control and pesticides; labels; pesticide laws and regulations; proper and safe practices for mixing, loading, applying, disposing of and storing pesticides; protective clothing; pesticide toxicity and hazards; identifying pesticide poisoning signs and symptoms; first aid procedures when pesticide poisoning occurs; protecting the environment; and record keeping. Chapter 9 presents specific information on seed and seedling pests and disease-causing organisms, classifications of seed treatment pesticides by formulation type and by function or purpose, and seed treatment machinery and calibration. Each chapter is followed by fill-in-the-blank and matching test questions and the last chapter contains answers.

*NAL Call No.:* S544.3.A2C47 no.434

### Selection and care of protective clothing used for pesticide application.

Kline, Judith S.

Rev. April 1990.

Clemson, S.C. : Clemson University cooperating with U.S. Dept. of Agriculture, South Carolina Counties, Extension Service, [1990]. 3, [1] p. : ill. ; 28 cm.

*Place of publication:* South Carolina. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This publication explains how to select the appropriate type of protective clothing system to use when applying pesticides. Laundering instructions and general precautions for handling clothing worn during pesticide application are outlined. The ways pesticides enter the body and label signal words are reviewed.

*NAL Call No.:* SB952.5.K5 1990

### Selection and use of spray nozzles for application of pesticides.

Huber, S. G.

[United States? : s.n, 1982]. 6 p. ; 28 cm.

*Place of publication:* United States (state is not known). *Language:* English.

*Descriptors:* PATC commercial core training

*Abstract:* This paper discusses spray nozzle selection, droplet size produced, wear life of nozzles, spray coverage, factors affecting and ways to prevent drift. Utilized as commercial core training material in Ohio.

*NAL Call No.:* SB953.H82

### Signs and symptoms of pesticide poisoning.

Schulze, Larry D.; Vitzthum, Edward F.

Rev. July 1990.

Lincoln, Neb. : Published by Cooperative Extension, Institute of Agriculture and Natural Resources, University of Nebraska, 1990. -- NebGuide ; G84-715.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Signs and symptoms of pesticide poisoning by organophosphates and carbonates, pyrethroids, bipyridyls, organochlorines, fumigants, zinc phosphide and strychnine are described. This NebGuide also explains what to do when pesticide poisoning occurs.

*NAL Call No.:* S451.N2N3 no.G84-715 1990

### Signs and symptoms of pesticide poisoning.

University of Nebraska (Lincoln campus). Cooperative Extension Service.

[Lincoln, Neb.?] : The Service, c1991. 1 videocassette (12 min., 27 sec.) : sd., col. ; 1/2 in. -- Pesticide applicator training series.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This videotape identifies the signs and symptoms of pesticide poisoning by organophos-



## PATC commercial core training

phates and carbamates, fumigants, organochlorines, bipyridyls and wood preservatives. Actions to take to prevent serious consequences of over-exposure are outlined. It emphasizes the importance of telling someone what chemicals you will be using and when you will apply them, always following pesticide label directions and always wearing protective equipment.

*NAL Call No.:* Videocassette no.987

### **Spray equipment and calibration.**

Karsky, Tom.

Moscow, Idaho : Cooperative Extension Service, University of Idaho, College of Agriculture, 1986. -- Bulletin (University of Idaho. Cooperative Extension Service) ; no. 658.

*Place of publication:* Idaho. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Information on various spray equipment components and calibration procedures that can be used for application equipment. Drift prevention and container disposal covered. For growers, certified applicators, and non-certified applicators.

*NAL Call No.:* 100 Id14 no.658

### **Sprayer calibration templates.**

Michigan State University. Cooperative Extension Service. Software Distribution Center. Version 1. East Lansing, Mich. : Software Distribution Center, MSU Cooperative Extension Service, [1988?]. 1 computer disk ; 5 1/4 in. + user manual.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This software package includes three Lotus 1-2-3 templates designed to assist applicators in assessing pesticide needs, calibrating equipment, and establishing rate of application. Air Blast Sprayer, Granular Pesticide Applicator, and Row Crop Sprayer Calibration programs require Lotus 1-2-3 version 1A or higher. In addition to instructions for use, programming documentation is included in the manual.

*NAL Call No.:* QA76.8.I2594S67 1988

### **Study questions for commercial applicator core manual.**

University of Tennessee, Knoxville. Agricultural Extension Service. [Rev.].

[Knoxville, Tenn. : University of Tennessee, Agricultural Extension Service, 1986]. 49, [1] p. ; 28 cm.

*Place of publication:* Tennessee. *Language:* English.

*Descriptors:* PATC commercial core training

*Abstract:* The state of Tennessee provides this core handbook of study questions for commercial pesticide applicators preparing for their certification examination. The sample tests contain true/false and multiple choice questions similar to those found on the state examination. Answers are given for each section of the tests.

*NAL Call No.:* SB950.2.T2S78 1986

### **Toxicity of pesticides.**

Criswell, Jim T.

Rev.

[Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, 1989. -- OSU extension facts ; no. 7457.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Gives information on how pesticides enter the body, and acute and chronic toxicity information including tables of LD50s. For growers, certified applicators, and non-certified applicators.

*NAL Call No.:* S544.3.O5O5 no.7457 1989

### **Toxicology of pesticides ; Chronic health effects of pesticides.**

Wuerthele, Suzanne.

Montana. Dept. of Agriculture.

Helena, Mont. : Montana Dept. of Agriculture, c1989. 1 videocassette (47 min.) : sd., col. ; 1/2 in.

*Place of publication:* Montana. *Language:* English.



## PATC commercial core training

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* The principles of toxicology (the study of poisons) important to pesticide applicators and the four factors that effect pesticide toxicology; 1) dose; 2) routes of exposure (oral, dermal, and inhalation); 3) physical state; and 4) length of exposure are discussed in this videotape. The chronic health effects of pesticides including photosensitization, skin and allergy sensitization, systemic effects and cancer are covered. The importance of reading the pesticide label, wearing protective clothing and following safe handling practices to minimize exposure is stressed.

*NAL Call No.:* Videocassette no.943

### **Training greenhouse workers to handle pesticides safely.**

Zavala, Melanie.

University of California, Davis. Visual Media; University of California, Davis. Office of Pesticide Information and Coordination.

[Davis, Calif.] : Visual Media, Division of Agriculture and Natural Resources, University of California, Davis, c1986. 1 videocassette (16 min.) : sd., col. ; 1/2 in.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC agricultural worker; PATC non-certified applicator; PATC ornamental, turf pest control

*Abstract:* This video is aimed at non-certified pesticide applicators and is designed to provide them with part of the training they need in order to handle pesticides safely. The video can also be of use for greenhouse workers who have only indirect exposure to pesticides. The presentation covers entry of pesticides into the body, poisoning symptoms, protective clothing and equipment, emergency procedures, and common sense protective measures. It also discusses some of the potential dangers of pesticide use in a greenhouse situation and how they can be avoided. This video was developed under a grant from the U.S. Environmental Protection Agency.

*NAL Call No.:* Videocassette no.362

### **Training greenhouse workers to handle pesticides safely (Japanese ed.).**

Zavala, Melanie; Singleton, Robert.

University of California, Davis. Visual Media.

[Davis, Calif.] : Visual Media, Division of Agriculture and Natural Resources, University of California, Davis, [1986]. 1 videocassette (VHS) (16 min.) : sd., col. ; 1/2 in.

*Place of publication:* California. *Language:* English and Japanese.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator; PATC ornamental, turf pest control; PATC agricultural worker

*Abstract:* This video is aimed at non-certified pesticide applicators. It is designed to provide them with part of the training they need in order to handle pesticides safely. The video can also be of use for greenhouse workers who have only indirect exposure to pesticides. The presentation covers entry of pesticides into the body, poisoning symptoms, protective clothing and equipment, emergency procedures, and common sense protective measures. It also discusses some of the potential dangers of pesticide use in a greenhouse situation and how they can be avoided. This video was developed under a grant from the U.S. EPA.

*NAL Call No.:* Videocassette no. 677

### **The transportation of pesticides by highway : a guide to the rules and regulations.**

Goh, Kean S.; Gibson, Roberta L.

New York State College of Agriculture and Life Sciences. Chemical-Pesticides Program. Rev. ed. Ithaca, N.Y. : Chemicals-Pesticides Program, Cooperative Extension, New York State College of Agriculture and Life Sciences, Cornell University, [1987]. iii, 101 p. : forms ; 28 cm.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC commercial core training

*Abstract:* This manual is intended for the commercial pesticide applicator or user who transports pesticides from shop to storage to job sites by highway. It covers the three principle areas of DOT regulations: shipping papers; placarding requirements; and motorcarrier safety regulations.

## PATC commercial core training

Detailed check lists, hazardous materials tables, shipping classifications for pesticides and sample forms are included.

*NAL Call No.:* SB959.G6 1987

### **Treatment of honey bees : using fluvalinate (Apistan) to detect and control the Varroa mite.**

Gojmerac, Walter L.

Madison, Wis. : University of Wisconsin-Extension, Cooperative Extension, 1988. iv, 59 p. : ill., forms ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC animal agricultural pest

*Abstract:* Training manual for private and/or commercial pesticide applicators who desire to use Apistan under the EPA emergency exemption to treat honey bees infested with Varroa mites. Major topics: emergency exemption requirements; life cycle of the Varroa mite; control options; detecting and treating the Varroa mite; toxicity of pesticides; protecting human health and the environment; Apistan disposal; and label information.

*NAL Call No.:* SF538.5.V3TT7

### **Urban storage and disposal of pesticides and containers.**

Nelson, Emery W.; Vitzthum, Edward F.

Lincoln, Neb. : Published by Cooperative Extension Service, Institute of Agriculture and Natural Resources, University of Nebraska, 1984. -- NebGuide ; G84-736.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This NebGuide provides storage and disposal guidelines for urban pesticide users to follow to avoid accidental poisonings and damage to the environment.

*NAL Call No.:* S451.N2N3 no.G84-736

### **Using pesticides safely : a guide for the**

### **applicator.**

Wilkinson, Robert H.

East Lansing, Mich. : Cooperative Extension Service, Michigan State University, [1990].

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This applicator's guide to safe use of pesticides provides information on: the health and environmental effects of pesticides; labels and the three toxicity classifications; selecting, transporting, storing, and disposing of pesticides and empty containers; and protective clothing and equipment. Includes an Agricultural Chemical Poisoning table indicating the toxicity, common and trade names, action or site of poison, routes of absorption and poisoning symptoms associated with insecticides, herbicides and fungicides. Pesticide Emergency Information telephone numbers are supplied.

*NAL Call No.:* 275.29 M58B no.E-2215

### **El Uso seguro de los pesticidas.**

Zavala, Melanie.

University of California, Davis. Visual Media.

Davis, Calif. : Visual Media, [1984?]. 115 slides : col. + 1 sound cassette (15 min.) + script (21 l. ; 28 cm.).

*Place of publication:* California. *Language:* Spanish.

*Descriptors:* PATC private core training; PATC commercial core training; PATC plant agricultural pest; PATC non-certified applicator

*Abstract:* This slide/tape set is aimed at the non-certified pesticide applicator and also has information of value for the fieldworker who is exposed only indirectly to pesticides. The topics covered include modes of entry of pesticides into the body, poisoning symptoms, first aid procedures, protective clothing, common sense ways of avoiding exposure and personal hygiene. Although the slide set reflects California regulations to a certain extent, it has general information of relevance to all pesticide users.

*NAL Call No.:* Slide no.295

**El Uso seguro de los pesticidas dentro del invernadero.**

Zavala, Melanie.

University of California, Davis. Office of Pesticide Information and Coordination.

Davis, Calif. : University of California, Davis, Visual Media, c1986. 1 videocassette (VHS) (21 min.) : sd., col. ; 1/2 in.

*Place of publication:* California. *Language:* Spanish.

*Descriptors:* PATC private core training; PATC commercial core training; PATC ornamental, turf pest control

*Abstract:* This video, intended for managers and supervisors discusses problems inherent in greenhouse pesticide use and suggests how to insure pesticide safety. It was developed under a U.S. Environmental Protection Agency grant.

*NAL Call No.:* Videocassette no.360

**What the wary ones wear.**

University of Missouri-Columbia. Extension Division.

[Columbia, Mo.?] : University of Missouri-Columbia Extension, [1991?]. 1 videocassette (17 min., 42 sec.) : sd., col. ; 1/2 in. -- Pesticide applicator training series.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This videotape explains how to select and wear proper personal safety clothing and equipment for mixing, loading and applying pesticides safely. Potential pesticide health and poisoning hazards and three ways pesticides enter the body through oral, dermal and inhalation exposure are explained. Cleaning and maintaining application equipment and practicing good hygiene habits are stressed.

*NAL Call No.:* Videocassette no.986



## **PATC compound 1080 (livestock protection collars)**

### **PATC compound 1080 (livestock protection collars)**

#### **Applicator manual for compound 1080 in livestock protection collars.**

Wade, Dale A.

College Station, Tex. : Texas Agricultural Extension Service, Texas A&M University System, [1985].

*Place of publication:* Texas. *Language:* English.

*Descriptors:* PATC compound 1080 (livestock protection collars)

*Abstract:* This Texas manual was prepared to provide applicator certification training in the use of Compound 1080 (sodium monofluoroacetate) in Livestock Protection (LP) Collars. It covers basic predator damage control considerations, the evaluation of livestock deaths, lethal and nonlethal methods of predator manipulation and management and the selection and evaluation of control methods. Includes a field guide of color photographs to aid in the identification of predator-caused livestock injuries and deaths; animal track illustrations; glossary; and references. Appendixes contain information on Compound 1080's physical and chemical properties, mode of action, toxicology, potential hazards to nontarget animals, precautions for use, poisoning symptoms, first aid and medical treatment for intoxication in humans, dogs and cats.

*NAL Call No.:* 100 T31S (1) no.1509

## PATC demonstration, research

### PATC demonstration, research

#### **The 1/128th of an acre calibration method broadcast spraying.**

University of Florida. Institute of Food and Agricultural Sciences.

[Gainesville, Fla. : IFAS, University of Florida, 1987?]. 1 portfolio : ill. ; 28 cm.

*Place of publication:* Florida. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC demonstration, research

*Abstract:* Florida's pesticide applicator calibration training program on the 1/128th of an acre method includes lecture notes, overhead masters, worksheets and a fact sheet with calibration formulas, problems and solutions.

*NAL Call No.:* SB953.05

#### **1990 insecticide recommendations for Arkansas.**

Johnson, Donald R.; Jones, Bill F.

University of Arkansas, Fayetteville. Cooperative Extension Service; United States. Dept. of Agriculture.

[Fayetteville, Ark.] : Cooperative Extension Service, University of Arkansas, [1990?]. 135 p. : ill. ; 28 cm.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC institutional, structural pest control; PATC aerial pest control; PATC demonstration, research

*Abstract:* This guide contains 1990 insecticide recommendations for Arkansas for insect pests of specific animals, field crops, fruit and nuts, and vegetables. Additionally, it lists suggested insecticides for recreation areas, flowers, trees and shrubs, turfgrass, golf courses, commercial Christmas trees, and household pests. It provides basic information about insecticides, calibration, and addresses and telephone numbers of Poison Control Centers in Arkansas.

*NAL Call No.:* SB950.2.A82J6

#### **Beneficial & pest insects of cotton.**

Barnes, Gordon.

[Little Rock, Ark.?] : Cooperative Extension Service, University of Arkansas, Division of Agriculture and U.S. Dept. of Agriculture, Cooperating, [1976]. -- Leaflet (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 400.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC demonstration, research

*Abstract:* The purpose of the pamphlet is to aid cotton growers and pesticide applicators in the recognition of insects commonly found on cotton to insure proper cotton scouting and proper timing of insecticide applications for advantageous insect population control. Contains color pictures of insects beneficial to as well as insects destructive to cotton.

*NAL Call No.:* 275.29 Ar4Le no.400

#### **Biopesticides : toward a cleaner environment.**

[New York, N.Y.? : M.J. Walters?], c1990. 1 videocassette (20 min.) : sd., col. ; 1/2 in.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC demonstration, research; PATC private sector produced material

*Abstract:* The first U.S. release of a genetically engineered baculovirus occurred on August, 9, 1989. The release was part of a test investigating the efficiency, feasibility, and environmental safety of using biopesticides as alternatives to the chemical pesticides currently sprayed on our food crops. Investigators Wood and Shelton outline the scope and content of the experiment, while several project-team members exhibit and explain roles such as planter, insect rearer, field inoculator, sprayer, harvester, and laboratory analyst.

*NAL Call No.:* Videocassette no.902

#### **Boom sprayer calibration.**

Gardisser, Dennis R.

University of Arkansas, Fayetteville.

## PATC demonstration, research

[Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture, and county governments cooperating, [1988]. 1 folded sheet (8 p.) : ill. ; 23 x 10 cm. -- EL (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 317.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC demonstration, research

*Abstract:* This leaflet explains how to calibrate boom sprayers, determine and change gallons per acre and tank mix. It includes volume and pressure guidelines for ground equipment and standard conversions.

*NAL Call No.:* 275.29 Ar4Le no.317 1988

### Control insects on soybeans.

Johnson, Donald R.

[Rev.].

[Little Rock, Ark.?] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture, and county governments cooperating, [1987?]. 14 p. : ill. ; 23 cm. -- EL (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 193.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC demonstration, research

*Abstract:* This leaflet discusses soybean scouting, insect pests and their control. Includes an illustrated identification guide to caterpillars on soybeans and 11 tables of insecticides and treatment level guidelines for control of specific soybean pests.

*NAL Call No.:* 275.29 Ar4Le no.193 1987

### Control of cotton diseases.

Hirrel, Marc C.; McDaniel, M. C.

University of Arkansas, Fayetteville. Cooperative Extension Service. [Rev., 10-84].

[Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture and county governments cooperating, [1984]. 1 folded sheet (8 p.) ; 23 x 10 cm. -- EL (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 168.

*Place of publication:* Arkansas. *Language:* English.

t10(Descriptors:) PATC plant agricultural pest; PATC aerial pest control; PATC demonstration, research

*Abstract:* Parasitic (seedling disease, angular leaf spot, fusarium wilt--root knot nematode complex, verticillium wilt) and nonparasitic diseases (crinkle leaf) of cotton in Arkansas and their control are discussed in this leaflet.

*NAL Call No.:* 275.29 Ar4Le no.168 1984

### Cotton insect management.

Johnson, Donald R.; Kimbrough, James L.; Wall, Marvin L.

University of Arkansas, Fayetteville. Cooperative Extension Service. [Rev., 1-90].

[Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture, and county governments cooperating, [1990]. 15 p. ; 23 x 10 cm. -- EL (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 52.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC demonstration, research

*Abstract:* Scouting and treatment guidelines for controlling insect pests of cotton in Arkansas are provided in this leaflet. Includes 15 tables listing recommended insecticides and miticides, formulations and rates, and minimum days of last application to harvest.

*NAL Call No.:* 275.29 Ar4Le no.52 1990

### Demonstration and research pest control.

Brown, Steven L.

Alabama Cooperative Extension Service.

[Auburn, Ala.] : Alabama Cooperative Extension Service, Auburn University, [1985?]. 70 p. : ill. ; 28 cm. -- Circular ANR ; 433.

*Place of publication:* Alabama. *Language:* English.

*Descriptors:* PATC commercial core training; PATC demonstration, research

*Abstract:* Developed to assist persons studying for the Alabama commercial pesticide applicator certification examination in the Demonstration and Research Pest Control category, this manual ex-



## PATC demonstration, research

plains the concept of integrated pest management (IPM), absolute, relative, and damage assessment sampling methods for pests and pest-related injury, and considerations involved in designing research plots. It also covers pest identification and control; pesticides, their labels and laws and regulations governing their uses; applicator safety in handling, applying, disposing of and storing pesticides; and environmental concerns. Includes addresses and phone numbers for Alabama Poison Control Centers and chapter tests and an answer key. For Extension agents and specialists, commercial representatives, state, federal and commercial employees conducting field research and others who demonstrate how to use pesticides or supervise their use by individuals conducting research.

*NAL Call No.:* S544.3.A2C47 no.433

### **Demonstration and research pest control.**

Harris, Emmett D.

[Rev. Aug., 1981].

Athens, Ga. : Cooperative Extension Service, University of Georgia, College of Agriculture, [1981].

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC demonstration, research

*Abstract:* This manual is for Georgia state pesticide applicators seeking certification in the Demonstration and Research Pest Control category, although to be certified in this category requires certification in at least one other pesticide applicator category. The manual summarizes the general principles common to all pest management systems. Pesticide/organism interactions and integrated pesticide use with chemical and nonchemical deterrents is recommended. Pesticide reactions, contamination of the environment and food, safety precautions, and labeling are discussed.

*NAL Call No.:* SB950.A1S62 no.14 1981

### **Demonstration and research pest control.**

University of Florida. Pesticide Information Center.

[Tallahassee, Fla.?] : The Center, [198-?]. 87 slides : col. + 1 script.

*Place of publication:* Florida. *Language:* English.

*Descriptors:* PATC demonstration, research

*Abstract:* This slide/script program for pesticide applicators seeking certification in demonstration and research pest control in Florida addresses certification and recertification requirements. Pest management concepts, chemical and nonchemical alternatives and Integrated Pest Management (IPM); safe pesticide use, pesticide labels, signal words and toxicity; potential environmental hazards such as drift and groundwater contamination; effective pesticide use for small plots, pesticide characteristics and modes of action; and state and federal regulations governing pesticides and their use are reviewed.

*NAL Call No.:* Slide no.353

### **Demonstration and research pest control : category 10.**

Long, Charles E.; Nilson, Erick B.; Condray, Jerry.

Kansas State University. Cooperative Extension Service.

Manhattan, Kan. : Cooperative Extension Service, Kansas State University, [1987]. 16 p. : ill. ; 28 cm.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC demonstration, research

*Abstract:* This certification study guide provides information on pesticide laws, pesticide-organism interactions, Integrated Pest Management (IPM), environmental hazards and safety, and liability concerns. Practice multiple choice questions follow each section.

*NAL Call No.:* SB950.2.K2D4 1987

### **Demonstration & research pest control : training for certification.**

University of Tennessee, Knoxville. Agricultural Extension Service. Rev. 8/1985.

[Knoxville, Tenn.] : Agricultural Extension Service, University of Tennessee, 1985. 103 p. : ill. ; 28 cm.

*Place of publication:* Tennessee. *Language:* English.

*Descriptors:* PATC demonstration, research

*Abstract:* This pesticide applicator training manual contains the information necessary for the Demonstration and Research category test. Integrated pest management techniques are discussed. Equip-

## PATC demonstration, research

ment calibration and pesticide formulations are presented. Charts and tables clarify the information, making it possible to compare cultural, biological and chemical control methods. Treatment methods including rodenticides, insecticides and herbicides are indicated in charts. Environmental concerns, including toxicity, persistence in soil, phytotoxicity, and the protection of honeybees, wildlife, fish and birds are discussed.

*NAL Call No.:* SB950.73.U52T23

### **Demonstration & research pest control, manual.**

Palm, Einar.

Reviewed August 1987.

Columbia, Mo. : University Extension, University of Missouri, 1987.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC demonstration, research

*Abstract:* This training manual provides the information needed for the demonstration and research control examination given by the Missouri Department of Agriculture based on this manual. Seven broad categories of pesticides are discussed as are formulations for various types of pesticides. Pesticide labels, labelling, poisoning and safety precautions are examined. Application methods, calibration formulas, a glossary and emergency poison control telephone numbers are supplied.

*NAL Call No.:* SB950.2.M8D46 1987

### **Farm chemical safety is in your hands.**

National Agricultural Chemicals Association.

Rev.

[Washington, D.C.] : Produced for NACA by Farmland Industries, [1989?]. 1 videocassette (12 min., 26 sec.) : sd., col. ; 1/2 in.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC animal agricultural pest; PATC plant agricultural pest; PATC demonstration, research; PATC private sector produced material

*Abstract:* This NACA videotape presents the basics for handling farm chemicals safely. It discusses toxicity and exposure using the equation "RISK =

TOXICITY x EXPOSURE." The videotape demonstrates how to handle pesticides properly by following label precautions and instructions, by selecting, wearing, and caring for appropriate protective clothing and equipment, and by practicing good hygiene habits in the field and at home.

*NAL Call No.:* Videocassette no.761

### **Fate of pesticides in the environment : proceedings of a technical seminar.**

Biggar, James W.

California Agricultural Experiment Station.

Oakland, Calif. : University of California, Division of Agriculture and Natural Resources, 1987. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 3320.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC demonstration, research

*Abstract:* This is a compilation of the proceedings of a seminar of the same title held in Sacramento, CA on March 4 and 5, 1985. It includes sections on pesticide classes, physiochemical fate processes, and case studies of the reaction of several pesticides in environmental situations. Helpful information for growers, applicators, and advisors is provided.

*NAL Call No.:* TD196.P38F3

### **Microbial/biorational pesticide registration : proceedings of a seminar, April 23-24, 1985.**

Ferguson, Mary P.; Alford, Harold G.; Seiber, James N., 1940-.

University of California (System). Division of Agriculture and Natural Resources; Western Region IR-4 Program; University of California, Davis. College of Agricultural and Environmental Sciences.

Berkeley, Calif. : Agriculture and Natural Resources Publications, Division of Agriculture and Natural Resources, University of California, [1986?]. vi, 53 p. : map ; 28 cm. -- Special publication (University of California (System). Division of Agriculture and Natural Resources) ; 3318.



## PATC demonstration, research

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC commercial core training; PATC demonstration, research

*Abstract:* This proceedings of a seminar held on April 23-24, 1985 on the registration of microbial/biorational pesticides discusses the need for biorationals in IPM programs, health and environmental concerns, methods of development of microbial and biorational pesticides and pheromones, environmental data requirements, and procedures for registering these materials in California. Intended for growers and advisors.

*NAL Call No.:* SB951.M54

### **[Miscellaneous study materials for commercial applicators].**

Ohio. Dept. of Agriculture Laboratories.  
[Columbus, Ohio : The Department, 1959-]. v. : ill. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC forest pest control; PATC public health pest control; PATC fumigation; PATC seed treatment; PATC demonstration, research

*Abstract:* These commercial applicator study materials include: general core information on Ohio pesticide regulations, Poison Control Centers, pesticide safety and toxicity, and groundwater protection; and information pertaining to the control of plant agricultural, forest, ornamental, turf, vertebrate (bird), structural (termite), public health (mosquito) and stored grain pests; fumigation; seed treatment; and demonstration and research.

*NAL Call No.:* SB952.863.O3M5

### **Pesticide application and safety training study guide : research and development.**

Colorado. Division of Plant Industry.; Professional Entomological Services Technology, Inc.  
[Denver, Colo.] : Colorado Division of Plant Industry, [1985?]. 18 p. : ill. ; 28 cm.

*Place of publication:* Colorado. *Language:* English.

*Descriptors:* PATC demonstration, research

*Abstract:* This Colorado study guide is a training refresher of practical information to prepare those people seeking to obtain certification to use Restricted Use Pesticides in the Demonstration and Research Pest Control Category by reviewing pesticide laws and regulations, integrated pest management (IPM) principles, the special review process, environmental concerns, and pesticide safety. Colorado State Extension Service Offices' addresses and the Rocky Mountain Poison Control toll free telephone number are listed.

*NAL Call No.:* SB950.73.U5P47

### **Pesticide equipment.**

Gardisser, Dennis R.  
University of Arkansas, Fayetteville. Cooperative Extension Service.  
[Fayetteville, Ark.?] : Cooperative Extension Service, University of Arkansas, [198-?]. 7 p. ; 28 cm.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC right-of-way pest control; PATC aerial pest control; PATC demonstration, research

*Abstract:* The purpose of the Arkansas pesticide equipment notes is to guide highway department pesticide applicators in the selection of appropriate herbicide equipment and sprayer components and the proper calibration of sprayers. This information is also useful for growers, aerial pesticide applicators and individuals who demonstrate the use of pesticides.

*NAL Call No.:* S694.G3

### **Protecting our groundwater : a grower's guide.**

Park Ridge, Ill. : American Farm Bureau Federation, [1987?]. 8 p. : ill. ; 28 cm.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC right-of-way pest control; PATC forest pest control; PATC aerial pest control; PATC demonstra-



## PATC demonstration, research

tion, research

**Abstract:** This guide discusses the five major factors growers need to consider when applying agricultural chemicals to reduce the potential for groundwater contamination. These include following proper pesticide application practices, assessing surface water, knowing the pesticide's characteristics and potential for mobility, the soil type in the area of application, and the location of groundwater and the type of geological formations above it.

*NAL Call No.:* TD403.P76

### Recommended chemicals for weed and brush control.

Baldwin, Ford L.

[Rev. ed.].

[Little Rock, Ark.?] : Cooperative Extension Service, University of Arkansas, and U.S. Dept. of Agriculture, and county governments cooperating, 1990. 104 p. : ill. ; 23 x 31 cm. -- MP (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 44.

*Place of publication:* Arkansas. *Language:* English.

**Descriptors:** PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC forest pest control; PATC aerial pest control; PATC demonstration, research

**Abstract:** This chart formatted publication summarizes 1990 recommendations for use of herbicides for weed and brush control in Arkansas conforming with federal and state regulations. Contains trade name cross reference chart; chart of common, chemical, and trade name, formulation and manufacturer; charts indicating crop, situation, active chemical and formulated material per broadcast acre, weeds controlled, time and method of application and precautions; herbicide response rating tables. Supporting text on herbicide application guidelines and spray additives. Highlights trial or limited use herbicides.

*NAL Call No.:* 275.29 Ar4Mi no.44 1990

### Recommended chemicals for weed and brush control.

Baldwin, Ford L.; Boyd, John W. 1949-; Tripp,

Timothy.

University of Arkansas, Fayetteville. Cooperative Extension Service; University of Arkansas, Fayetteville. Agricultural Experiment Station; United States. Dept. of Agriculture. [Rev. ed.].

[Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, and U.S. Dept. of Agriculture, and county governments cooperating, [1988]. 98 p. : ill. ; 23 x 31 cm. -- MP (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 44.

*Place of publication:* Arkansas. *Language:* English.

**Descriptors:** PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC forest pest control; PATC aerial pest control; PATC demonstration, research

**Abstract:** This chart formatted publication summarizes 1988 recommendations for use of herbicides for weed and brush control in Arkansas conforming with federal and state regulations. Contains trade name cross reference chart; chart of common, chemical, and trade name, formulation and manufacturer; charts indicating crop, situation, active chemical and formulated material per broadcast acre, weeds controlled, time and method of application and precautions; herbicide response rating tables. Supporting text on herbicide application guidelines and spray additives. Highlights trial or limited use herbicides.

*NAL Call No.:* 275.29 Ar4Mi no.44 1988

### Rice diseases and their control.

McDaniel, M. C.; Huey, Bobby A.

University of Arkansas, Fayetteville. Cooperative Extension Service. [Rev.].

[Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture, and county governments cooperating, [1988]. 1 folded sheet (12 p.) ; 23 x 11 cm. -- EL (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 198.

*Place of publication:* Arkansas. *Language:* English.

**Descriptors:** PATC plant agricultural pest; PATC aerial pest control; PATC demonstration, research

**Abstract:** Disease causing organisms, symptoms and control of major and other rice diseases in

## PATC demonstration, research

Arkansas are covered in this leaflet.

the Endangered Species Act is included.

*NAL Call No.:* 275.29 Ar4Le no.198 1988

*NAL Call No.:* SB950.2.O5T76

### **Summary of pesticides (fungicides, bactericides, and nematocides) suggested for plant disease control on major crops in Arkansas.**

McDaniel, M. C.

[Little Rock, Ark.?] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture, and County Governments Cooperating, [1990].

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC demonstration, research

*Abstract:* This compilation of pesticides suggested for plant disease control on major crops in Arkansas contains information for use by pesticide formulators, distributors, dealers, and county Extension agents. Crops are grouped and listed alphabetically with the disease, treatment materials and rate per acre application formula. A list of available publications from the state and county Extension offices targeting specific crops or pests in more detail is supplied. There are cross-reference indexes of pesticide trade names, chemical names, and manufacturers.

*NAL Call No.:* 275.29 Ar4Mi no.154

### **Training material for commercial/non-commercial pesticide applicators. 10, Demonstration and research pest control.**

Oklahoma State University. Cooperative Extension Service.

[Stillwater, Okla. : Cooperative Extension Service, Oklahoma State University, 1988]. 1 portfolio : ill. ; 33 cm.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC demonstration, research

*Abstract:* This packet of material, used to prepare applicators for Demonstration and Research pest control certification, contains a manual covering pesticide regulations, field demonstrations and experiments, toxicity, safety, and environmental effects. Information on groundwater protection and

## PATC disinfectants

### PATC disinfectants

#### Microbial pest control.

Bond, Ronald C.; French, David J.; Evans, Burton R.; Bynum, Donna D.

University of Georgia. Cooperative Extension Service; Georgia. Dept. of Agriculture. Rev.

Athens, Ga. : Cooperative Extension Service, University of Georgia, College of Agriculture, [1988?]. 44 p. : ill. ; 28 cm. -- Special bulletin (University of Georgia. Cooperative Extension Service) ; 26.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC industrial pest control; PATC institutional, structural pest control; PATC disinfectants

*Abstract:* This manual includes definitions of various microorganisms, methods of control and formulations of antimicrobial agents, equipment and safety information, and a review of laws and regulations.

*NAL Call No.:* SB950.A1S62 no.24 1988

#### Safe use of pesticides and disinfectants in the poultry industry.

University of California, Davis. Visual Media; University of California, Davis. Office of Pesticide Information and Coordination.

Davis, Calif. : Visual Media, [1989?]. 1 videocassette (25 min.) : sd., col. ; 1/2 in.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC disinfectants

*Abstract:* This videocassette, designed to provide general training for poultry workers, discusses the safe use of pesticides in and around poultry houses and processing plants. It focuses on disinfectants. The program explains the significance of labels and signal words; the three ways pesticides enter the body, through inhalation, ingestion, and absorption; how to use and maintain protective clothing and equipment, properly apply pesticides, properly dispose of containers, handle pesticide spills, recognize pesticide poisoning symptoms, handle medical emergencies, and avoid overexposure of applicators by periodic blood analysis for cholinesterase level. Preventing bird poisoning and avoiding illegal pesticide residues are addressed.

Formaldehyde and herbicides are covered. Insecticides, miticides, insect baits and sprays, and rodenticides are mentioned as pesticides used in the poultry industry.

*NAL Call No.:* Videocassette no.749

#### Swimming pool disinfectants.

[S.l. : s.n, 198-?]. 9 p. ; 28 cm.

*Place of publication:* Unknown. *Language:* English.

*Descriptors:* PATC disinfectants

*Abstract:* This study material for commercial applicators in Ohio covers swimming pool disinfectants, indicating minimal chlorine or bromine residual, pH considerations, computations, and equipment operation problems of pumps and hypochlorinators.

*NAL Call No.:* RA606.S9

#### Swimming pool equipment maintenance and operation.

Mullins, Gerald H.

Dayton, Ohio : Miami Products & Chemical Co, [198-?]. 42 p. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC disinfectants

*Abstract:* This publication, used in Ohio as study material for commercial applicators engaged in swimming pool disinfection, discusses water disinfectants, water chemistry, facets of pool operation, algae prevention and treatment, pool equipment, maintenance and chlorine residual, pH and other testing procedures. Includes glossary and Pool Water Analysis Data Sheet.

*NAL Call No.:* RA606.M8

#### Swimming pool pest control (3b).

Stern, Robert.

[United States? : Great Lakes Chemical Corp., 198-?]. 10 p. ; 28 cm.

*Place of publication:* United States (state is not known). *Language:* English.

*Descriptors:* PATC disinfectants



## PATC disinfectants

*Abstract:* Swimming pool sanitation and disinfection, types of sanitizers, methods of adding sanitizers, testing methods for chlorine residual, pH and algae control, and algicides are discussed in this paper utilized as commercial applicator study material in Ohio.

*NAL Call No.:* RA606.S7

### **Uso seguro de pesticidas y desinfectantes en la industria avícola.**

University of California, Davis. Visual Media; University of California, Davis. Office of Pesticide Information and Coordination.

Davis, Calif. : Visual Media, [1989?]. 1 videocassette (25 min.) : sd., col. ; 1/2 in.

*Place of publication:* California. *Language:* Spanish.

*Descriptors:* PATC disinfectants

*Abstract:* This videocassette, designed to provide general training for poultry workers, discusses the safe use of pesticides in and around poultry houses and processing plants. It focuses on disinfectants. The program explains the significance of labels and signal words; the three ways pesticides enter the body, through inhalation, ingestion, and absorption; how to use and maintain protective clothing and equipment, properly apply pesticides, properly dispose of containers, handle pesticide spills, recognize pesticide poisoning symptoms, handle medical emergencies, and avoid overexposure of applicators by periodic blood analysis for cholinesterase level. Preventing bird poisoning and avoiding illegal pesticide residues are addressed. Formaldehyde and herbicides are covered. Insecticides, miticides, insect baits and sprays, and rodenticides are mentioned as pesticides used in the poultry industry.

*NAL Call No.:* Videocassette no.748

## PATC forest pest control

### PATC forest pest control

#### Aerial application handbook for applicators.

Kuhlman, Dennis K.

Kansas State University. Cooperative Extension Service.

Manhattan, Kan. : Cooperative Extension Service, Kansas State University, 1981. 72, [1] p. : ill. ; 28 cm. -- MF (Kansas State University. Extension Service) ; 622.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest; PATC right-of-way pest control; PATC industrial pest control; PATC forest pest control

*Abstract:* Intended for aerial applicators, this handbook provides the keys to efficient and effective use of plant protection products by aerial application. Major topics include calibration, drift prevention, Integrated Pest Management (IPM) implementation, and medical aspects of pesticides. The appendix contains application and calibration formulas, and toxicity charts for fungicides, herbicides, and insecticides.

*NAL Call No.:* S544.3.K2K3 no.622

#### California plant disease handbook and study guide for agricultural pest control advisors.

Gubler, Walter D.

University of California (System). Division of Agriculture and Natural Resources. 3rd ed.

Oakland, Calif. : Regents of the University of California, Division of Agriculture and Natural Resources : available from ANR Publications, University of California, 1986. ii, 157 p. ; 28 cm. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 4046.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC forest pest control

*Abstract:* This is a comprehensive study guide on

diagnosing plant diseases, using cultural and biological control methods, using plant resistance, and using chemicals for disease control. Sections include field and forage crops, vegetable crops, tree fruit and nut crops, small fruit crops, and ornamentals. It is designed for agricultural pest control advisors, and useful to applicators and growers. A glossary and references are included.

*NAL Call No.:* SB624.C2C3 1986

#### Christmas tree category manual.

Swier, Stanley R.; Auger, Phil.

Durham, N.H. : Cooperative Extension Service, University of New Hampshire, 1987. 38 p. ; 28 cm.

*Place of publication:* New Hampshire. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC forest pest control

*Abstract:* The identification, biology and control of New Hampshire Christmas tree pests are covered in this training manual. Weed and brush control methods, herbicide and approved pesticide lists, a cross-reference table for pesticide common name/trade name, and specimen collection instructions are included.

*NAL Call No.:* SB428.3.S9

#### Christmas tree pest manual.

Benyus, Janine M.

North Central Forest Experiment Station (Saint Paul, Minn.); United States. State and Private Forestry. Northeastern Area.

[St. Paul, Minn.?] : U.S. Dept. of Agriculture, Forest Service, North Central Forest Experiment Station ; [Broomall, Pa.?] : Northeastern Area, State and Private Forestry ; Washington, D.C. : For sale by the Supt. of Docs., U.S. G.P.O., [1983]. 107 p. : col. ill. ; 28 cm.

*Place of publication:* Minnesota. *Language:* English.

*Descriptors:* PATC forest pest control

*Abstract:* Prepared by a team of scientists and pest specialists, this manual for laymen summarizes and compiles over ten years of research on Christmas tree pests and their control primarily conducted at

## PATC forest pest control

the North Central Forest Experiment Station. This reference tool includes 70 illustrated pest profiles and practical advice on how to locate and identify potential pests; how to select, plant and care for trees to reduce potential pest damage; and how to maintain pests at harmless levels. A four step Pest Management Primer, discussions of illustrated symptoms and signs of tree injury, where to get assistance and how to submit material for identification are included. A Pesticide Table, general and technical references, a chart cross referencing pesticide common and trade names, an index of common and scientific names of pests and trees, and listings of safety equipment sources and handling, mixing and application equipment sources are supplied.

*NAL Call No.:* aSB428.34.U5B4

### **Christmas tree weed control.**

Elmore, Clyde L.; Donaldson, D.; Veerkamp, G. E.

University of California (System). Division of Agriculture and Natural Resources.

Oakland, Calif. : Cooperative Extension University of California, Division of Agriculture and Natural Resources, [1988?]. 9 p., [1] p. of plates : ill. ; 22 x 28 cm. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 21445.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC forest pest control

*Abstract:* This publication discusses methods of controlling weeds in Christmas tree plantings, including use of cultural methods and herbicides. Tables contain information on herbicides registered for use on Christmas trees, susceptibility of weeds to herbicides, and amounts of herbicides to use. For growers, applicators, and advisors.

*NAL Call No.:* SB428.34.U5E5

### **The dutch elm disease.**

French, David W.; Ascerano, Mark E.; Stienstra, Ward C.

Rev. 1980.

[St. Paul, Minn.] : Agricultural Extension Service, University of Minnesota, [1980].

*Place of publication:* Minnesota. *Language:* Eng-

lish.

*Descriptors:* PATC forest pest control

*Abstract:* This Minnesota Agricultural Extension Bulletin discusses the symptoms, causes, detection methods, and management prospects of Dutch elm disease. The European and native elm bark beetle life cycles are thoroughly examined. Preventative action techniques are stressed.

*NAL Call No.:* 275.29 M66S no.415 1980

### **Forest and range insect, weed, disease and vertebrate pest manual.**

Helena, Mont. : State of Montana, Dept. of Agriculture, [1983]. iii, 166 p. : ill. ; 28 cm.

*Place of publication:* Montana. *Language:* English.

*Descriptors:* PATC forest pest control

*Abstract:* This manual, prepared for commercial and government applicators, presents detailed information on the identification, biology and management of major insect, weed, disease and vertebrate pests of forest stands and rangelands and discusses specific control methods when applicable.

*NAL Call No.:* SB950.2.M9F6

### **Forest pest control.**

Coleman, V. Rodney.

University of Georgia. Cooperative Extension Service; Georgia. Dept. of Agriculture. Rev.

Athens, Ga. : Cooperative Extension Service, University of Georgia, College of Agriculture, [1987?]. 26 p. : ill., maps ; 28 cm. -- Special bulletin (University of Georgia. Cooperative Extension Service) ; 16.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC forest pest control

*Abstract:* This training manual identifies types of forests; forest insect, disease, weed, and vertebrate pests; and the insecticides, fungicides and herbicides used to manage them. Safety and environmental considerations are addressed.

*NAL Call No.:* SB950.A1S62 no.16 1987



## PATC forest pest control

### Forest pest control.

Brown, Steven L.

Alabama Cooperative Extension Service.

[Auburn, Ala.] : Alabama Cooperative Extension Service, Auburn University, [1985?]. 64 p. : ill. ; 28 cm. -- Circular ANR ; 437.

*Place of publication:* Alabama. *Language:* English.

*Descriptors:* PATC commercial core training; PATC forest pest control

*Abstract:* This manual is designed as a self-study guide for individuals desiring commercial pesticide applicator certification in Alabama's Forest Pest Control Category for applying pesticides in forests, forest nurseries, and forest seed producing areas. It provides information on the five main groups of pests, general pest control methods and specific forest pest control methods, pesticides, labels, laws and regulations, applicator safety, pesticide disposal and storage, and environmental hazards. It contains matching and fill-in-the blank tests following each chapter and an answer key chapter and addresses and phone numbers for Alabama Poison Control Centers.

*NAL Call No.:* S544.3.A2C47 no.437

### Forest pest control.

Ogg, Neil; Ham, Donald L.

Clemson University. Cooperative Extension Service.

Clemson, S.C. : Clemson University, Cooperative Extension Service, 1987. 17 p. : ill. ; 28 cm. -- Pesticide training series ; 2.

*Place of publication:* South Carolina. *Language:* English.

*Descriptors:* PATC forest pest control

*Abstract:* Insect, weed, disease and vertebrate pests of forest trees and their control, South Carolina's five commercially important major forest types, pesticide labels and environmental hazards are discussed in this manual.

*NAL Call No.:* SB763.S6F6 1987

### Forest pest control.

Mississippi State University. Cooperative Extension Service.

Rev. May, 1983.

Mississippi State, Miss. : Cooperative Extension Service, Mississippi State University, [1985?]. iii, 62, 4 p. ; 28 cm.

*Place of publication:* Mississippi. *Language:* English.

*Descriptors:* PATC forest pest control

*Abstract:* This manual is designed to prepare commercial pesticide applicators for certification in Forest Pest Control. It provides information on basic properties and methods of application of pesticides; concentration and preparation of chemical mixes; insects, diseases, weed tree species and their control; and environmental protection. It includes true and false and multiple choice study questions and answers.

*NAL Call No.:* SB763.M7F6 1985

### Forest pest control.

Slusher, John.

University of Missouri--Columbia. University Extension. [Rev.].

Columbia, Mo. : University Extension, University of Missouri, [1989]. 1 v. (various pagings) : ill. ; 28 cm. -- Manual (University of Missouri--Columbia. University Extension) ; 94.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC forest pest control

*Abstract:* This study manual is designed for commercial pesticide applicators studying for the licensing examination on forest pest control in the state of Missouri. Forest pest problems caused by diseases or insects are discussed and management techniques for established forests and nurseries are presented. Ready reference tables of woody plant control in pastures, right-of-way, and non-cropland are given with suggested herbicide dosages, methods and precautions. Color photographs of common tree and shrub pests aid in identification. Agricultural guides describe anthracnose, elm phloem necrosis, cedar-apple rust and Dutch elm disease.

*NAL Call No.:* SB950.2.M8F67 1989

### Forest pest control : category 2.

Boutz, Gary.

## PATC forest pest control

Kansas State University. Cooperative Extension Service.

Manhattan, Kan. : Cooperative Extension Service, Kansas State University, 1979. 30 p. : ill. ; 28 cm.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC commercial core training; PATC forest pest control

*Abstract:* This commercial applicator certification study manual covers forest pests including weeds, insects, mites, vertebrates and diseases and their control. It contains information on selecting and applying herbicides correctly, understanding herbicide labels, avoiding hazards, recognizing and treating forest pests and diseases, and calibrating power sprayers and hand applicators. Includes multiple choice study questions, calibration formulae and examples, and illustrations.

*NAL Call No.:* SB763.K2F6

### Forest spraying pesticide applicator's training manual.

University of Minnesota. Cooperative Extension Service.

[St. Paul, Minn.] : Minnesota Extension Service, University of Minnesota, 1987. vi, 268 p. : ill. ; 28 cm.

*Place of publication:* Minnesota. *Language:* English.

*Descriptors:* PATC forest pest control

*Abstract:* This guide for the Minnesota commercial agricultural pesticide applicator is prepared as a training aid for those applicators who wish to become certified to apply or supervise the application of "restricted-use" pesticides in Minnesota forests. The principles of forest pest management, the identification and control of insect, weed, disease and vertebrate pests, application equipment, calibration techniques, pesticide formulation, fumigation principles and other treatment methods are discussed. The toxicity of pesticides and their potential danger to humans, environmental hazards, safety precautions, label information, protective clothing, storage, and disposal are covered. A bibliography, questions and answers, and a glossary complete this manual.

*NAL Call No.:* SB952.863.M6F6

### Forestry herbicide labeling and uses.

Cowen, William F.; Heiligmann, Randall B. [Columbus, Ohio] : Ohio State University, Cooperative Extension Service?, 1985?. 1 folded sheet (6 p.) : ill. ; 28 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 673.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC forest pest control

*Abstract:* This bulletin discusses herbicides for various forestry uses (including Timber Stand Improvement (TSI), site preparation, and conifer release), woody plant control by method of application, grass and weed control in Christmas tree plantings. It briefly explains herbicide classifications, methods of application and lists safety and herbicide selection reminders.

*NAL Call No.:* SB951.4.C68

### Getting acquainted with the gypsy moth.

Price, Terry S.; Eldridge, James G.

Georgia Forestry Commission.

[Atlanta, Ga.?] : Georgia Forestry Commission, [1989]. 1 folded sheet (6 p.) : col. ill., maps ; 23 cm.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC forest pest control

*Abstract:* This Georgia Forestry Commission pamphlet describes the Gypsy Moth: its habits, life cycle, potential for damage, and how this pest can be transported from a Gypsy Moth infested state. The purpose of the pamphlet is to protect state Delta Traps, which are used for surveying and predicting possible Gypsy Moth infestations.

*NAL Call No.:* SB945.G9P7

### A guide to common forest pests in Georgia.

Price, Terry S.

[Macon, Ga.] : Georgia Forestry Commission, 1988. 40 p. : ill. (some col.), maps (some col.) ; 26 cm.

*Place of publication:* Georgia. *Language:* English.



## PATC forest pest control

*Descriptors:* PATC forest pest control; PATC general public and homeowners

*Abstract:* This guide to common forest and shade tree pests in Georgia, their recognition, prevention, and control, is designed for FFA and 4-H high school students, vo-ag teachers, and 2 year technical forestry school students. Illustrations accompany the text on insect pests, diseases and animal and storm damages. The appendix lists pesticide recommendations.

*NAL Call No.:* SB763.G4M5

### **Gypsy moth.**

Miller, Richard L.; Roach, Ken.

Ohio Gypsy Moth Management Council; Ohio State University. Cooperative Extension Service; Ohio. Dept. of Agriculture.

[Ohio] : Ohio Gypsy Moth Management Council, [1987?]. [2] p. : ill., map ; 28 x 22 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC forest pest control

*Abstract:* This Ohio fact sheet discusses the Gypsy Moth's life cycle and stages, injury, hosts, regulations governing and natural, non-chemical and chemical methods used in its control.

*NAL Call No.:* SB945.G9M5

### **Hand application methods for commonly used forestry herbicides in the South : training material.**

Williamson, Max; Miller, James H.

[Atlanta, Ga.? : USDA Forest Service, Southern Region?], 1987. 14 p. : ill. ; 28 cm.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC forest pest control

*Abstract:* This training manual provides instructions to applicators on hand application of forestry herbicides. It includes some safety information.

*NAL Call No.:* aSB951.4.W5

### **Insect pests of Christmas trees.**

Miller, Richard L.; Roach, Ken.

Ohio State University. Cooperative Extension Ser-

vice.

[Columbus, Ohio] : Ohio Cooperative Extension Service, Ohio State University, 1988. 24 p. : ill. ; 28 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 619.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC forest pest control

*Abstract:* This publication discusses major insect and mite pests of Christmas trees and provides a description of each pest, its hosts, type of injury it causes, its life cycle and brief control recommendations. It contains a host-pest index and addresses and telephone numbers of Ohio Poison Information Centers. Supplemented by companion publication "Insect Control on Christmas Trees" which contains insecticide recommendations, formulations, amount to use and best time to apply.

*NAL Call No.:* 275.29 Oh32 no.619

### **An integrated approach to dutch elm disease management.**

Phillipsen, William J.; Gkinis, Asimina.

[St. Paul, Minn.?] : Agricultural Extension Service, University of Minnesota, 1981.

*Place of publication:* Minnesota. *Language:* English.

*Descriptors:* PATC forest pest control

*Abstract:* This Minnesota Agricultural Extension Service Bulletin emphasizes the importance of a community integrated pest management (IPM) program, cooperatively planned and implemented by elected officials, community foresters, county extension agents, pesticide applicators and private citizens, and trained professionals for effective prevention and control of Dutch elm disease. The following "basic four" strategies are stressed to suppress the disease and prevent its spread: detection, root graft disruption, removal, and disposal. A list of additional publications about Dutch elm disease management is included.

*NAL Call No.:* 275.29 M66S no.456

### **A Manual on ground applications of forestry herbicides.**

Miller, James H.; Mitchell, Robert J.



## PATC forest pest control

Atlanta, Ga. : USDA Forest Service, Southern Region, 1988. 1 v. (loose-leaf) : ill. ; 30 cm. -- Management bulletin R8 ; MB 21.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC forest pest control

*Abstract:* This loose-leaf manual gives detailed instructions on effective procedures for application of forestry herbicides. It includes definitions of terms, business aspects, and a discussion of the economics of forest herbicides. It provides an overview of applicable laws, a chapter on safety and exposure, and product specific information for many forest herbicides.

*NAL Call No.:* aSB951.4.M36

### [Miscellaneous study materials for commercial applicators].

Ohio. Dept. of Agriculture Laboratories.  
[Columbus, Ohio : The Department, 1959-]. v. : ill. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC forest pest control; PATC public health pest control; PATC fumigation; PATC seed treatment; PATC demonstration, research

*Abstract:* These commercial applicator study materials include: general core information on Ohio pesticide regulations, Poison Control Centers, pesticide safety and toxicity, and groundwater protection; and information pertaining to the control of plant agricultural, forest, ornamental, turf, vertebrate (bird), structural (termite), public health (mosquito) and stored grain pests; fumigation; seed treatment; and demonstration and research.

*NAL Call No.:* SB952.863.O3M5

### Oak wilt.

French, D. W.  
Rev.

[St. Paul, Minn.?] : Agricultural Extension Service,

University of Minnesota, 1980.

*Place of publication:* Minnesota. *Language:* English.

*Descriptors:* PATC forest pest control

*Abstract:* This Minnesota publication describes and illustrates the symptoms, cause, spread and detection of oak wilt. Control techniques suggested include chemical root barriers and sporulation control.

*NAL Call No.:* 275.29 M66Ex no.310 1980

### Optimum timing for ground-applied forestry herbicides in the South.

Miller, James H 1944-; Bishop, Larry.  
United States. State and Private Forestry.  
Atlanta, Ga. : U.S. Dept. of Agriculture, Forest Service, Cooperative Forestry, [1989]. [2] p. : ill. ; 28 cm. -- Management bulletin R8 ; 28.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC forest pest control

*Abstract:* This bulletin identifies the critical factors involved in successfully applying forestry herbicides. A 12 month chart shows the optimum timing for ground-applied forestry herbicides in the South.

*NAL Call No.:* aSB951.4.M55

### Pest management principles for the commercial applicator : forest pest control.

Worf, Gayle L.  
2nd ed.

Madison, Wis. : University of Wisconsin-Extension, 1988. viii, 218 p. : ill. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC forest pest control

*Abstract:* Training manual for commercial pesticide applicators in the forest crop pest control category. Major topics: application of pest management principles for weed, insect, and disease control; toxicity of pesticides; protecting human health and the environment; disposal; equipment calibration; IPM

## PATC forest pest control

practices; and label information.

NAL Call No.: SB763.W5P47 1988

### **Pest management principles for the commercial applicator : forestry pest control study guide.**

Worf, Gayle L.

2nd ed.

Madison, Wis. : University of Wisconsin-Extension, 1988. 34 p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC forest pest control

*Abstract:* This study guide accompanies "Pest management principles for the commercial applicator : forest pest control." It contains multiple choice questions and answers on a variety of subjects including laws and regulations, formulations, safety, application principles, and resistance to pesticides.

NAL Call No.: SB763.W5P472 1988

### **Pesticide application and safety training study guide : forest pest control.**

Colorado. Division of Plant Industry; Colorado State University. Cooperative Extension Service. Rev. 10-90.

Denver, Colo. : Colorado Dept. of Agriculture, Division of Plant Industry, [1990]. [ii], 32 p. : ill. ; 28 cm.

*Place of publication:* Colorado. *Language:* English.

*Descriptors:* PATC forest pest control

*Abstract:* This Colorado state study guide/manual contains the educational information needed by the commercial pesticide applicator to pass the written state licensing examination in the forest pest control category. Forest insects and mites, diseases that affect forest vegetation and weed pests are described. Pesticide selection criteria, labeling information and application techniques are discussed. Safety strategies, first aid treatments and environmental concerns, including groundwater contamination prevention, are discussed. Calibration tables and formulas are given. Colorado State Extension Service Offices' addresses and telephone

numbers and the Rocky Mountain Poison Control Center toll free telephone number are listed.

NAL Call No.: SB761.P46 1990

### **Pesticide applicator training : [forest pest control].**

Purdue University.

[West Lafayette, Ind.] : Purdue University, [1988?]. 1 v. (various pagings) : ill. (some col.) ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC forest pest control

*Abstract:* This training manual is intended for commercial pesticide applicator training certification in the Forest Pest Control category. Forest types; tree identification; common weed, insect, disease and vertebrate pests and their control; herbicide classification, action, selection, and environmentally safe application; spray equipment and calibration equations are covered. Calibration problems and answers are provided.

NAL Call No.: SB951.P4623

### **Pine bark beetles in urban areas.**

Price, Terry S.

[Macon, Ga.?] : Georgia Forestry Commission, [1987?]. 1 folded sheet (7 p.) ; 22 cm.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC forest pest control; PATC general public and homeowners

*Abstract:* This pamphlet informs urban tree owners how to identify, prevent and control damage caused by the five species of pine bark beetles in Georgia.

NAL Call No.: SB608.P65P7

### **Protecting our groundwater : a grower's guide.**

Park Ridge, Ill. : American Farm Bureau Federation, [1987?]. 8 p. : ill. ; 28 cm.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC



## PATC forest pest control

right-of-way pest control; PATC forest pest control; PATC aerial pest control; PATC demonstration, research

*Abstract:* This guide discusses the five major factors growers need to consider when applying agricultural chemicals to reduce the potential for groundwater contamination. These include following proper pesticide application practices, assessing surface water, knowing the pesticide's characteristics and potential for mobility, the soil type in the area of application, and the location of groundwater and the type of geological formations above it.

*NAL Call No.:* TD403.P76

### Recommended chemicals for weed and brush control.

Baldwin, Ford L.

[Rev. ed.].

[Little Rock, Ark.?] : Cooperative Extension Service, University of Arkansas, and U.S. Dept. of Agriculture, and county governments cooperating, 1990. 104 p. : ill. ; 23 x 31 cm. -- MP (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 44.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC forest pest control; PATC aerial pest control; PATC demonstration, research

*Abstract:* This chart formatted publication summarizes 1990 recommendations for use of herbicides for weed and brush control in Arkansas conforming with federal and state regulations. Contains trade name cross reference chart; chart of common, chemical, and trade name, formulation and manufacturer; charts indicating crop, situation, active chemical and formulated material per broadcast acre, weeds controlled, time and method of application and precautions; herbicide response rating tables. Supporting text on herbicide application guidelines and spray additives. Highlights trial or limited use herbicides.

*NAL Call No.:* 275.29 Ar4Mi no.44 1990

### Recommended chemicals for weed and brush control.

Baldwin, Ford L.; Boyd, John W. 1949-; Tripp, Timothy.

University of Arkansas, Fayetteville. Cooperative Extension Service; University of Arkansas, Fayetteville. Agricultural Experiment Station; United States. Dept. of Agriculture. [Rev. ed.].

[Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, and U.S. Dept. of Agriculture, and county governments cooperating, [1988]. 98 p. : ill. ; 23 x 31 cm. -- MP (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 44.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC forest pest control; PATC aerial pest control; PATC demonstration, research

*Abstract:* This chart formatted publication summarizes 1988 recommendations for use of herbicides for weed and brush control in Arkansas conforming with federal and state regulations. Contains trade name cross reference chart; chart of common, chemical, and trade name, formulation and manufacturer; charts indicating crop, situation, active chemical and formulated material per broadcast acre, weeds controlled, time and method of application and precautions; herbicide response rating tables. Supporting text on herbicide application guidelines and spray additives. Highlights trial or limited use herbicides.

*NAL Call No.:* 275.29 Ar4Mi no.44 1988

### Safety training for herbicide applicators.

Williamson, Max.

[Austin, Tex.?] : Texas Forest Service, [1989?]. v, 59 p. : ill. ; 28 cm.

*Place of publication:* Texas. *Language:* English.

*Descriptors:* PATC forest pest control

*Abstract:* This training booklet, designed for Texas Forest Service employees, covers safe handling and application of herbicides. Major topics covered include: toxicity, labelling, transporting, storage, and container disposal. Multiple choice and true and



## PATC forest pest control

false self-test questions follow each section. Answers and a review of application practices are provided.

*NAL Call No.:* SB951.4.W52

### **Selective chemical weed control.**

Ashton, Floyd M.; Harvey, W. A. 1914-. University of California (System). Division of Agriculture and Natural Resources; California Agricultural Experiment Station. Rev. Berkeley, Calif. : Agricultural Experiment Station, Division of Agriculture and Natural Resources, University of California, 1987. 16 p. : ill. ; 23 cm. -- Bulletin (University of California (System). Division of Agriculture and Natural Resources) ; 1919.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC forest pest control

*Abstract:* This bulletin discusses weed control as part of an IPM program. It explains ways that herbicides act on weeds, describes application methods, contains many line drawings and a glossary. Intended for use by growers, advisors, and applicators.

*NAL Call No.:* S39.A2C3 no.1919 1987

### **[Study materials for pesticide applicator certification].**

Connecticut. Dept. of Environmental Protection. Hartford, Conn. : State of Connecticut, Dept. of Environmental Protection, [1990?]. 1 v. : ill. ; 28 cm.

*Place of publication:* Connecticut. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC institutional, structural pest control; PATC forest pest control; PATC fumigation; PATC anti-fouling paint pest control

*Abstract:* Information for commercial supervisory or operational license applicants, procedures for

plicator certification examinations in Connecticut are included in this packet.

*NAL Call No.:* SB952.86.S7

### **Timber stand improvement in Ohio woodlands.**

McClenahan, James R.; Cowen, William F.; Heiligmann, Randall B.

Ohio State University. Cooperative Extension Service.

[Columbus, Ohio] : Cooperative Extension Service, Ohio State University, [1984?]. 14 p. : ill., map ; 28 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 697.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC forest pest control

*Abstract:* This publication discusses timber stand improvement (TSI) and thinning, forest cultural treatments to manage hardwood forest areas through selective removal of undesirable trees, vines, or large shrubs from forest stands to facilitate growth of desirable trees.

*NAL Call No.:* SD396.5.M3

### **Training material for commercial/non-commercial pesticide applicators. 2, Forest pest control.**

Oklahoma State University. Cooperative Extension Service.

[Stillwater, Okla. : Cooperative Extension Service, Oklahoma State University, 1987]. 1 portfolio : ill., maps ; 33 cm.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC forest pest control

*Abstract:* This packet of material, intended for preparation for certification, includes publications on biology of forest pests, methods of pesticide selection and application, safety, environmental effects, equipment calibration, and pesticide law.

*NAL Call No.:* SB950.2.O5T72

## PATC forest pest control

**Tree pest control, category 3A ; ornamental pest control, category 3B ; forestry pest control, category 2.**

Alm, Steven R.; Siligato, Peggy.

Kingston, R.I. : University of Rhode Island, Cooperative Extension, College of Resource Development, [1991]. 9 p. : ill., maps ; 28 cm.

*Place of publication:* Rhode Island. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC forest pest control

*Abstract:* Designed to prepare commercial applicators for certification in forestry, tree and ornamental pest control in Rhode Island, this study packet contains lists of: suggested references; commonly used pesticides, common forestry, tree and ornamental pests and their chemical and non-chemical controls, and equipment these applicators should be familiar with; subject areas they should be proficient in; and continuing education resources. Sample labels and a bulletin on the hemlock woolly adelgid's biology and control are included.

*NAL Call No.:* SB763.R4T7

## PATC fumigation

### PATC fumigation

**1988 Oklahoma Grain Elevator Workshops : February 2, Chickasha, February 3, Enid, February 4, Woodward.** Oklahoma Grain Elevator Workshops; Oklahoma State University. Cooperative Extension Service; Farmers Cooperative Grain Dealers Association of Oklahoma; Oklahoma Grain and Feed Association.

[Stillwater, Okla.?] : The Service, [1988]. 1 v. (various pagings) : ill. ; 29 cm.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC fumigation

*Abstract:* This manual is composed of the presentations given at the 1988 Oklahoma Grain Elevator Workshops held February 2-4. Topics covered include an overview of the grain industry, one year sequence of stored grain management; storage production and chemical insect control; receiving and handling; grain blending; fumigation; integrated pest management; and aeration of commercial grain structures. Grain elevator maintenance guides, inspection checklists and housekeeping reports are provided.

*NAL Call No.:* SB190.O4 1988

### **Agricultural commodity fumigation.**

Womack, Herbert.

University of Georgia. Cooperative Extension Service; Georgia. Dept. of Agriculture.

Athens, Ga. : Cooperative Extension Service, University of Georgia, College of Agriculture, [1989?]. 23 p. : ill. ; 28 cm. -- Special bulletin (University of Georgia. Cooperative Extension Service) ; 26.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC fumigation

*Abstract:* Major topics covered in this manual include identification and life cycles of agricultural commodity insect pests; types of fumigants; factors affecting their effectiveness; safety; and proper application techniques. A pictorial key to beetles infesting stored foods and a formula chart for

calculating volume are provided.

*NAL Call No.:* SB950.A1S62 no.26

### **Applicator's manual for Degesch Phostoxin pellets and tablets-R.**

Degesch America, Inc.

Weyers Cave, Va. : Degesch America, Inc, [1987?]. i, 17 p. ; 28 cm.

*Place of publication:* Virginia. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC fumigation; PATC private sector produced material

*Abstract:* This Applicator's Manual for DEGESCH Phostoxin Pellets and Tablets-R, Restricted Use Pesticides and fumigants to protect stored commodities from insect damage and to control burrowing pests, includes precautionary statements; directions for use; information on protective clothing; respiratory protection requirements and devices; applicator and worker exposure; aeration of fumigated commodities; storage; disposal; and spill and leak procedures.

*NAL Call No.:* SB955.A6

### **Apply pesticides correctly : a guide for commercial applicators : food processing pest control.**

Wamsley, Mary Ann; Vermeire, Donna M.

[Knoxville, Tenn.?] : University of Tennessee, Agricultural Extension Service in cooperation with U.S. Environmental Protection Agency, [1988?]. 12 p. : ill. ; 28 cm.

*Place of publication:* Tennessee. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC fumigation

*Abstract:* Applicants for Food Processing Pest Control certification in the state of Tennessee will find the basic information necessary to meet the specific requirements and standards in the food and feed industries in this manual. The types of pests and methods of control are surveyed. Advantages and limitations of aerosol, liquid, dust, granule, bait, fumigants and vapors are highlighted.

*NAL Call No.:* SB937.A6



## PATC fumigation

### Category specific training manual for pesticide applicators in food processing and manufacturing areas.

University of Arkansas, Fayetteville. Cooperative Extension Service.

[Fayetteville, Ark.? : University of Arkansas, Cooperative Extension Service, 1975?]. 35 p. : ill. ; 28 cm.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC fumigation

*Abstract:* This training manual is designed for pesticide applicators who control pests in food processing, manufacturing and storage areas. Both chemical and nonchemical control tactics are discussed as well as prevention maintenance. Insect, rodent and bird pests are illustrated for easy identification. Weeds and grasses are also illustrated and described. Application procedures and recommendations for safety and fumigation are highlighted.

*NAL Call No.:* SB937.C3

### Chemical controls.

Jones, Bill F.; Johnson, Donald R.

Little Rock, Ark. : Cooperative Extension Service, University of Arkansas, [1984?]. p. 59-92 : ill. ; 28 cm.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC fumigation

*Abstract:* This excerpted information about chemical treatment of on-farm stored grain is used in the Arkansas Pesticide Applicator Training Program. The use of rodenticides and insecticides and the equipment used for as well as the different methods of application are discussed and illustrated. Fumigation techniques are also described. Recommended dosage calibrations for all treatments are supplied. Life-threatening situations in grain storage bins are described and illustrated. Safety tips are emphasized.

*NAL Call No.:* SB190.J62

### Field determination of fumigant concentrations.

National Pest Control Association. Fumigation Committee.

Dunn Loring, Va. : National Pest Control Association, [1985]. 1 v. (unpaged) : ill. ; 28 cm.

*Place of publication:* Virginia. *Language:* English.

*Descriptors:* PATC fumigation

*Abstract:* This technical release covers devices including leak detectors, analyzers, portable photoionization gas chromatograph and color indicator tapes for field determination of fumigant concentrations.

*NAL Call No.:* SB955.F5

### Fumigating farm-stored grain with aluminum phosphide.

Peters, Leroy L. 1931-.

Rev. December 1987.

Lincoln, Neb. : Published by Cooperative Extension Service, Institute of Agriculture and Natural Resources, University of Nebraska, 1987. -- NebGuide ; G86-790.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC fumigation

*Abstract:* This NebGuide explains step-by-step how to fumigate farm-stored grain with aluminum phosphide. It includes a chart describing respiratory protection needed based on gas concentration. A chart to determine the minimum length of fumigation to control pests based on temperature is provided.

*NAL Call No.:* S451.N2N3 no.G86-790 1987

### Fumigation : category 7C.

Stockdale, Harold J; Buntin, Linda A.

Iowa State University. Cooperative Extension Service. Rev. September 1980.

Ames, Iowa : Cooperative Extension Service, Iowa State University, 1980. 35, [1] p., [1] p. of plates : ill., map, form ; 28 cm.

*Place of publication:* Iowa. *Language:* English.

## PATC fumigation

*Descriptors:* PATC fumigation

*Abstract:* The Iowa state Fumigation Manual for private and commercial pesticide applicators seeking certification is designed to supplement the Private Pesticide Applicator Study Guide and the Iowa Core Manual, respectively. For private applicators, it specifically addresses characteristics of fumigants commonly used in Iowa on stored grain. The methods of fumigation for storage areas, structures, buildings, ships and rail cars are described. Includes sample exam questions and a picture sheet of principal stored grain insects.

*NAL Call No.:* SB955.S72 1980

### **Fumigation pest control : training for certification.**

Hamer, Jim L.

[Mississippi State, Miss.] : Cooperative Extension Service, Mississippi State University, [1985?]. vii, 51, [7] p. : ill. ; 28 cm.

*Place of publication:* Mississippi. *Language:* English.

*Descriptors:* PATC commercial core training; PATC fumigation

*Abstract:* This is a self-study manual designed for commercial pesticide applicator certification in fumigation pest control. It discusses the nature and effect of fumigants, precautions, protective equipment, and detection, symptoms and emergency treatment for acute poisoning by fumigants. The identification, biology and behavior of Stored Grain Insect Pests is also covered.

*NAL Call No.:* SB955.F84

### **Grain fumigation & seed treatment training manual.**

Montana. Dept. of Agriculture.

Helena, Mont. : Montana Dept. of Agriculture, [1987]. ii, 41 p. : ill. ; 28 cm.

*Place of publication:* Montana. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC fumigation; PATC seed treatment

*Abstract:* This manual, designed as a study guide

for commercial applicators involved in seed treatment and fumigation of stored grain, can be used to prepare for the seed treatment test. It presents information on the identification, management and chemical control of stored grain pests, recognition of important seed pathogens, seed treatments, application equipment, and safety concerns.

*NAL Call No.:* SB950.2.M9G72

### **Industrial, institutional, structural and health-related pest control.**

Rev. May, 1982.

Athens, Ga. : Cooperative Extension Service, University of Georgia, College of Agriculture, [1982].

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control; PATC fumigation

*Abstract:* This manual is for those pesticide applicators applying for certification in the state of Georgia as an Industrial, Institutional, Structural and Health Related Pest Control Applicator. This guide supplements the core manual, highlighting preventive sanitation, pest control and pesticides, safe use of pesticides and recognition, treatment and control of common pests. Pests are illustrated and described; management strategies are suggested.

*NAL Call No.:* SB950.A1S62 no.17

### **The law and regulations on licensing pest control operators : a handbook for commercial pest control operators.**

Arkansas. State Plant Board; Arkansas. Arkansas pest control law. Rev.

Little Rock, Ark. : State Plant Board, Pest Control Section, 1984. 27 p. : ill. ; 22 cm. -- Circular (Arkansas. State Plant Board) ; 6.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC fumigation



## PATC fumigation

*Abstract:* The Arkansas Pest Control Law and the regulations of the State Plant Board for licensing pesticide control applicators are the contents of this handbook. The 1985 regulation changes are attached separately.

*NAL Call No.:* KFA3882.I5A3 1984

### [Miscellaneous study materials for commercial applicators].

Arkansas. State Plant Board.

[Little Rock, Ark. : The Board, 1976?]. v. : ill. ; 23-36 cm.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC fumigation

*Abstract:* This compilation of materials for persons desiring a license for Pest Control Service work in Arkansas includes: Arkansas State Plant Board Application for Pest Control Examination; some specific category requirements; notification of a regulation change; and various publications on food processing, structural, ornamental, turfgrass and forest pest control, rats and fumigation.

*NAL Call No.:* SB952.863.A82M5

### [Miscellaneous study materials for commercial applicators].

Ohio. Dept. of Agriculture Laboratories.

[Columbus, Ohio : The Department, 1959-]. v. : ill. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC forest pest control; PATC public health pest control; PATC fumigation; PATC seed treatment; PATC demonstration, research

*Abstract:* These commercial applicator study mate-

rials include: general core information on Ohio pesticide regulations, Poison Control Centers, pesticide safety and toxicity, and groundwater protection; and information pertaining to the control of plant agricultural, forest, ornamental, turf, vertebrate (bird), structural (termite), public health (mosquito) and stored grain pests; fumigation; seed treatment; and demonstration and research.

*NAL Call No.:* SB952.863.O3M5

### Pest management principles for the commercial applicator : fumigation pest control.

Wedberg, J. L.

2nd ed.

Madison, Wis. : University of Wisconsin-Extension, 1988. 1 v. (various pagings) : ill. ; 30 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC industrial pest control; PATC institutional, structural pest control; PATC fumigation

*Abstract:* Training manual for commercial pesticide applicators in the fumigation pest-control category. Major topics: fumigants; methods of fumigation; principles of insect control; calibration; stored grain fumigation; toxicity of pesticides; protecting human health and the environment; disposal; and label information. Includes study guide of multiple choice questions and answers.

*NAL Call No.:* SB955.F82 1988

### Pest management principles for the Wisconsin farmer : fumigant pesticides.

Doersch, R. E.

University of Wisconsin--Extension.

[Madison, Wis.? : University of Wisconsin-Extension?, 1991]. iii, 46 p. : ill. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC fumigation

*Abstract:* Training manual for private pesticide applicators using fumigant pesticides; it supplements the core manual pest management principles for the Wisconsin farmer. Major topics: pest management principles for fumigating soil, raw agricultural commodities, and agricultural structures; toxicity of



## PATC fumigation

pesticides; protecting human health and the environment; disposal; application methods; and label information.

NAL Call No.: SB950.2.W6P482

### **Pesticide application and safety training study guide : fumigation.**

Colorado. Division of Plant Industry; Metro-Pest Management Consultants.

[Denver, Colo.] : Division of Plant Industry, [1981]. 41 p. : ill. ; 28 cm.

*Place of publication:* Colorado. *Language:* English.

*Descriptors:* PATC fumigation

*Abstract:* This Colorado study guide/manual contains the educational information needed by the pesticide applicator to pass the written and oral examination requirements in categories requiring knowledge of fumigation principles and techniques. The study guide deals primarily with the use of fumigants as insecticides. Fumigant selection criteria, fumigation methods, types of fumigants, safety and symptoms of fumigant poisoning are discussed. Special attention is given to the treatment planning process. The necessary protective equipment is described and illustrated. Colorado State Extension Service Offices' addresses and the Rocky Mountain Poison Control Center toll free telephone number are listed.

NAL Call No.: SB955.P46

### **Pesticide application and safety training study guide : stored commodities treatment.**

Colorado. Division of Plant Industry; Colorado State University. Cooperative Extension Service. Rev. 12-90.

Denver, Colo. : Colorado Dept. of Agriculture, Division of Plant Industry, 1990. [ii], 52 p. : ill. ; 28 cm.

*Place of publication:* Colorado. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC fumigation

*Abstract:* This Colorado study guide/manual contains the educational information needed by the commercial pesticide applicator to pass the written state licensing examination in the treatment of

stored grain and other stored commodities. Grain storage principles and problems are discussed and illustrated. Chemical treatments including fumigation techniques are highlighted. Other application methods and equipment that are described and illustrated include sprayers, aerial equipment, pumps and fans. Safety strategies, first aid treatments and environmental concerns are addressed. Calibration tables and formulas are given. Colorado State Extension Service Offices' addresses and telephone numbers are listed. The Rocky Mountain Poison Control Center toll free telephone number is included.

NAL Call No.: SB937.P47 1990

### **Pesticide applicator training : [category 7].**

Purdue University.

[West Lafayette, Ind.] : Purdue University, [1988-]. v. : ill. (some col.), maps ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC right-of-way pest control; PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control; PATC fumigation

*Abstract:* Five manuals cover the six divisions of Pesticide Applicator Training Category 7. Four manuals prepare commercial pesticide applicators for certification. One manual (7bRT) prepares wood destroying organism technicians for registration. This broad category encompasses the identification and control of industrial, institutional, and health related pests, wood destroying pests, stored food, and common household pests. Pesticide selection, labels, safety, protective equipment, application, calibration, fumigation, toxicity and environmental protection are discussed.

NAL Call No.: SB951.P4629

### **Pesticide applicator training : [private applicator, fumigation].**

Purdue University.

[West Lafayette, Ind.?] : Purdue University, [198-?]. 1 v. (various pagings) : ill. (some col.) ; 30 cm.

## PATC fumigation

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC private core training; PATC fumigation

*Abstract:* This training manual for private applicators of fumigants contains a certification training module, a list of insect and vertebrate pests, and pictorial keys for insect pest identification. It outlines federal and state regulations affecting private applicators, Indiana Emergency Treatment Centers, and toxicity and hazard of grain fumigants. The DEGESCH Phostoxin applicator's manual is provided.

*NAL Call No.:* SB951.P4635

### **Pesticide applicator training : [regulatory pest control].**

Purdue University.

[West Lafayette, Ind.] : Purdue University, [1988?]. 1 v. (various pagings) : ill. (some col.) ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC fumigation; PATC regulatory pest control

*Abstract:* The training manual on regulatory pest control examines regulated pests and quarantines and the fumigants, herbicides, and insecticides used in their control. Major topics include controlling insect pests and diseases on ornamentals, weeds, nematodes, common household pests, blackbirds, pigeons, mice and rats. Detailed information on fumigation (i.e. space and structural), gas masks, protective clothing, safety practices, toxicology, sprayer equipment and calibration is presented.

*NAL Call No.:* SB951.P4631

### **Safe practices in the use and handling of Fumitoxin.**

Pestcon Systems, Inc.

[Des Moines, Iowa] : Pestcon Systems, Inc, [1988?]. 1 v. (unpaged) : ill. ; 28 cm.

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC fumigation; PATC pesticide dealers

and distributors; PATC private sector produced material

*Abstract:* This ready reference manual produced by PESTCON SYSTEMS INC. compiles FUMITOXIN fumigant labels and its Material Safety Data Sheet in individual clear plastic covers. It emphasizes safe handling and application practices in the use of this restricted pesticide for stored, processed, manufactured product pest control.

*NAL Call No.:* SB952.5.S32

### **Safety : self-contained breathing apparatus and canister-type gas masks.**

National Pest Control Association.

Dunn Loring, Va. : The Association, c1989. 1 videocassette (20 min.) : sd., col. ; 1/2 in. + 1 manual.

*Place of publication:* Virginia. *Language:* English.

*Descriptors:* PATC fumigation

*Abstract:* Basic components of, how to fit and operate, and when to use self-contained breathing apparatus (SCBA) and canister-type gas masks, respiratory protective devices used by fumigators, are described and demonstrated in this National Pest Control Association video training program for service technicians. It emphasizes the need to always follow manufacturer's directions and perform preuse safety checks. The video is accompanied by an owner/manager/trainer manual which provides practical training tips; presentation guidelines; 20 fill-in-the-blank, multiple choice, and true or false pretest and post test questions, a work sheet, and an answer sheet; and the video script.

*NAL Call No.:* Videocassette no.999

### **Safety rules for fumigators.**

Walter, Vernon.

[Vienna, Va. : NPCA, 1986]. [8] p. ; 28 cm. -- Pest management.

*Place of publication:* Virginia. *Language:* English.

*Descriptors:* PATC fumigation

*Abstract:* A checklist of 37 safety tips for fumigators with attached list of fumigants (methyl bromide,



## PATC fumigation

vikane, phosphine, chloropicrin, and calcium cyanide) indicating chemical formulations, toxicity, uses, properties, dosage, application equipment, precautions, storage, handling practices, detection, and poisoning/first aid information.

*NAL Call No.:* SB952.85.W3

### Soil fumigation.

Riedel, R. M.

[Rev.].

[Columbus, Ohio] : Ohio Cooperative Extension Service, Ohio State University, [1987]. 1 folded sheet (6 p.) : ill. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC fumigation

*Abstract:* This publication describes soil fumigation goals, factors influencing successful soil fumigation, application methods, equipment, calibration procedures, and properties of six commonly used soil fumigants. Includes addresses and telephone numbers of Poison Information Centers in Ohio and surrounding states.

*NAL Call No.:* SB973.3.R5 1987

### Soil fumigation manual.

Washington State University. Cooperative Extension.

Pullman, Wash. : Cooperative Extension, College of Agriculture & Home Economics, Washington State University, 1985. -- EB (Washington State University. Cooperative Extension) ; 1336.

*Place of publication:* Washington. *Language:* English.

*Descriptors:* PATC fumigation

*Abstract:* This manual is intended to assist pesticide applicators to meet the Washington State Department of Agriculture soil fumigators certification requirements. The information presented covers fumigants, fumigant action, formulations, toxicity and safety hazards. Applicator calibration and equipment are discussed. Includes self-help questions and a glossary.

*NAL Call No.:* 275.29 W27P no.1336

### Stored grain insect control.

Willson, Harold R.

Ohio State University. Cooperative Extension Service. Rev.

[Columbus, Ohio] : Ohio Cooperative Extension Service, Ohio State University, [1988?]. 15 p. : ill. ; 28 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 153.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC fumigation

*Abstract:* Basic steps of a grain pest management program including sanitation and chemical treatments of the empty storage facility, application of grain protectants, grain monitoring and management, and corrective pest control procedures, particularly solid formulations of aluminum phosphide fumigant and the gas fumigant methyl bromide are discussed. Descriptions and illustrations of stored grain pests, equations for grain storage calculations and a poison information centers list are provided.

*NAL Call No.:* 275.29 OH32 no.153

### Stored grain insect control.

Johnson, Donald R.; Jones, Bill F.

University of Arkansas, Fayetteville. Cooperative Extension Service. [Rev., 9/87].

[Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture, and county governments cooperating, [1987]. 11 p. : ill. ; 23 cm. -- EL (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 412.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC fumigation

*Abstract:* This leaflet covers stored grain insects, sources of infestation, and five prevention and control strategies including sanitation, preventive spray treatments and fumigation. Features illustrations of immature and adult internal and external feeding insects.

*NAL Call No.:* 275.29 Ar4Le no.412 1987

### Stored grain pest management.

Cink, James; Harien, Phillip.



## PATC fumigation

St Paul, Minn. : Dept. of Entomology, Minnesota Extension Service, University of Minnesota, [1989]. 1 v. (various paging) : ill. ; 28 cm. + picture sheets.

*Place of publication:* Minnesota. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC fumigation

*Abstract:* Developed as a guide for training stored grain pest managers in the areas of fumigation, this manual is designed to provide information to assist stored grain managers in solving pest problems and in preparing for state certification in commercial or non-commercial fumigation. Fumigation principles and safety, types and methods of fumigation, application procedures and specific fumigants are discussed. Additional major topics include: rodents and their control; pest bird management; other pest animals; weeds; pesticides; formulations; laws and regulations; labels; toxicity; human and environmental protection; calibration; grain protectants and application equipment. Includes sample checklists for: prefumigation building inspection, fumigation and fumigant clearance; a glossary; and study questions and answers.

*NAL Call No.:* SB190.S762

### Stored products pest control : category 7B.

Henderson, F. Robert.  
Kansas State University. Cooperative Extension Service.  
Manhattan, Kan. : Cooperative Extension Service, Kansas State University, [1986]. 42 p. : ill. ; 28 cm.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC fumigation

*Abstract:* Designed for commercial pesticide applicators, this manual provides information on the life cycles of stored product insects, the biology of vertebrate pests (rats, mice and birds) and their control. It explains how to properly and safely apply pesticides in food plants and fumigants. This study guide contains practice multiple choice questions.

*NAL Call No.:* SB937.S7 1986

### [Study materials for pesticide applicator certification].

Connecticut. Dept. of Environmental Protection.  
Hartford, Conn. : State of Connecticut, Dept. of Environmental Protection, [1990?]. 1 v. : ill. ; 28 cm.

*Place of publication:* Connecticut. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC institutional, structural pest control; PATC forest pest control; PATC fumigation; PATC anti-fouling paint pest control

*Abstract:* Information for commercial supervisory or operational license applicants, procedures for taking examinations, and categorical lists of helpful materials to use in preparing for pesticide applicator certification examinations in Connecticut are included in this packet.

*NAL Call No.:* SB952.86.S7

## PATC general public and homeowners

### PATC general public and homeowners

#### The calibration of homeowner chemical application equipment.

Pearson, Stephen L.; Bode, Loren E.  
United States. Environmental Protection Agency.  
Urbana, Ill. : Vocational Agriculture Service, College of Agriculture, University of Illinois : Cooperative Extension, Dept. of Agricultural Engineering, University of Illinois, [198-?]. 74 slides : col. + 1 sample problems booklet (8 p.).

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC general public and homeowners

*Abstract:* This slide set, developed by the University of Illinois, outlines the steps involved in calibrating homeowner pesticide application equipment. Sample problems on the calibration of hose-end sprayers, manual sprayers, and granular applicators and mixing of dry, liquid and granular formulation pesticides, and conversion tables are supplied.

*NAL Call No.:* Slide no.183

#### Calibration of lawn and garden pesticide and fertilizer applicators for homeowners.

Smith, Larry J.  
Moscow, Idaho : University of Idaho, College of Agriculture, Cooperative Extension Service, Agricultural Experiment Station, [1987].

*Place of publication:* Idaho. *Language:* English.

*Descriptors:* PATC general public and homeowners; PATC ornamental, turf pest control

*Abstract:* Calibration of drop and centrifugal spreaders and air pressure and hose-end sprayers for applying fertilizer or pesticides are discussed in this publication for homeowners. Includes equipment care and maintenance tips and safety suggestions.

*NAL Call No.:* 275.29 Id13Idc no.792

#### California's new pesticide regulations and you : a guide to what they say, what your rights are, what you can do.

California. Resources Agency.  
[Sacramento, Calif.?] : Resources Agency, State of California, 1982. ii, 30 p. : ill. ; 22 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC regulatory pest control; PATC general public and homeowners

*Abstract:* This pamphlet explains to the general public changes to the California regulatory pesticide system enacted in mid-1982. It only covers restricted pesticides used for agricultural purposes. Minimizing environmental impact (mitigation) of pesticides by first using a feasible alternative control measure (IPM approach) to restricted pesticides is advocated. The pamphlet informs the general public how to recognize and report misuse of restricted pesticides. It contains a glossary and a list of restricted pesticides.

*NAL Call No.:* KFC641.5.P63C3

#### Chemical control of insects and nematodes in field and forage crops.

Landis, Douglas A.  
Rev.

East Lansing, Mich. : Cooperative Extension Service, Michigan State University, [1989]. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; 1582.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC general public and homeowners

*Abstract:* This Michigan State University information bulletin is for pesticide applicators and private citizens who wish to keep abreast of the changes in chemical product regulation, environmental impact, and toxicity strengths of insecticides. New treatment guidelines and chemical control recommendations are described.

*NAL Call No.:* 275.29 M58B no.1582 1989

#### Cockroach control.

Scheibner, R. A.  
Rev. 7-87.

[Lexington, Ky.] : University of Kentucky, College of Agriculture, Cooperative Extension Service, [1987].

## PATC general public and homeowners

*Place of publication:* Kentucky. *Language:* English.

*Descriptors:* PATC institutional, structural pest control; PATC general public and homeowners

*Abstract:* This publication explains how to control the four kinds of cockroaches which are common household pests in Kentucky (German, brown-banded, American and Oriental cockroaches) using preventative measures and insecticides. It discusses how and where to apply pesticides, the advantages and disadvantages of different insecticide formulations, active ingredients, reasons for poor control results and when homeowners should seek professional help. Illustrations of cockroaches aid in identification.

*NAL Call No.:* 275.29 K415E no.1

### **Complete guide to pest control : with and without chemicals.**

Ware, George Whitaker 1927-.  
2nd edition.

Fresno, Calif. : Thomson Publications, c1988. xii, 304 p. : ill. ; 28 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC general public and homeowners; PATC reference

*Abstract:* This how-to-do-it book is written for urban and suburban residents who wish to manage their own pest problems. It is a catalog of selected pests and alternative chemical and natural control strategies. Pest problems that might be encountered anywhere in the United States are described and accompanied by directions for safe, simple treatment methods using chemical and nonchemical techniques. Safe handling and storage of pesticides, pesticide laws and regulations, and exposure, use, and application hazards are discussed. There are four cross-referenced tables of common, trade and chemical names for insecticides, fungicides, herbicides and miscellaneous pesticides and repellents. Directions and materials needed for pesticides and repellents that can be made at home are supplied. A directory of State Cooperative Extension Service offices and sources of pest controls are included.

*NAL Call No.:* SB950.W37 1988

### **A Consumer's guide to safer pesticide use.**

United States. Environmental Protection Agency. Washington, D.C. : U.S. Environmental Protection Agency, Office of Public Affairs, [1987]. 24 p. : ill. ; 28 cm.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC general public and homeowners

*Abstract:* This EPA Office of Public Affairs Bulletin addresses the challenge of safe use of pesticides. The EPA regulations as well as FIFRA and FFDCA are explained. Label alerts, exposure precautions, storage, disposal, first aid and emergency treatment are covered. The National Pesticide Telecommunications Network toll free number and the addresses and phone numbers of the state EPA offices are listed.

*NAL Call No.:* SB952.5.C6

### **Controlling millipedes and sowbugs.**

Scheibner, R. A.  
Rev. 7-87.

[Lexington, Ky.] : University of Kentucky, College of Agriculture, Cooperative Extension Service, [1987].

*Place of publication:* Kentucky. *Language:* English.

*Descriptors:* PATC institutional, structural pest control; PATC general public and homeowners

*Abstract:* This publication describes millipedes and sowbugs and how to control these pests by preventing invasion of homes or using recommended insecticides.

*NAL Call No.:* 275.29 K415E no.3

### **Controlling turfgrass pests.**

Shurtleff, Malcolm C; Fermanian, Thomas W.; Randell, Roscoe.  
Englewood Cliffs, N.J. : Prentice-Hall, c1987. xiii, 449 p. : ill. ; 25 cm.

*Place of publication:* New Jersey. *Language:* English.

*Descriptors:* PATC general public and



## PATC general public and homeowners

homeowners; PATC reference

**Abstract:** Topics covered in this turfgrass pest management reference book for turfgrass managers, extension agents, homeowners and the general public include: turfgrass maintenance; the biology and control of weeds, insects and related pests, and diseases; hose-end, manual and power sprayers, granular applicators; calibration; and integrated pest management. Includes keys to identifying insects and related pests and diseases. Measurements and conversions, formulas and tables for calculating application rate and area, a list of land-grant institutions and agricultural experiment stations and a glossary are provided.

*NAL Call No.:* SB608.T87S48

### **Disposal of pesticides and pesticide containers.**

Wilson, John H 1933-; McClelland, W. T.  
North Carolina Agricultural Extension Service.  
Rev.  
Raleigh, N.C. : N.C. Agricultural Extension Service, [1988]. 1 folded sheet (12 p.) : ill. ; 22 x 10 cm.

*Place of publication:* North Carolina. *Language:* English.

**Descriptors:** PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC non-certified applicator

**Abstract:** Covers procedures for disposal of pesticides and pesticide containers. Information on North Carolina Disposal Assistance Program. For growers, certified applicators, non-certified applicators, and the general public.

*NAL Call No.:* TD196.P38W5 1988

### **First aid for pesticide poisoning.**

Criswell, Jim T.  
[Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, [1989]. -- OSU extension facts ; no. 7453.

*Place of publication:* Oklahoma. *Language:* English.

**Descriptors:** PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker;

PATC non-certified applicator

**Abstract:** Covers label reading, symptoms of poisoning, cholinesterase tests, first aid for poisoning, and specific antidotes. For certified applicators, agricultural workers, non-certified applicators, the general public and health providers.

*NAL Call No.:* S544.3.O5O5 no.7453

### **Fundamentals of pesticides : a self-instruction guide.**

Ware, George Whitaker 1927-.  
2nd ed.

Fresno, Calif. : Thomson Publications, c1986. xv, 274 p. : ill. ; 23 cm.

*Place of publication:* California. *Language:* English.

**Descriptors:** PATC ornamental, turf pest control; PATC general public and homeowners

**Abstract:** Written for individuals preparing for federal or state pesticide applicator certification and for the layman, this self-instructional guide covers the fundamentals of and the major classes of pesticides. It includes units on pesticide vocabulary, chemistry, formulations, toxicity, laws, safe handling and use practices; 125 review questions; and a glossary.

*NAL Call No.:* SB951.W28 1986

### **A guide to common forest pests in Georgia.**

Price, Terry S.

[Macon, Ga.] : Georgia Forestry Commission, 1988. 40 p. : ill. (some col.), maps (some col.) ; 26 cm.

*Place of publication:* Georgia. *Language:* English.

**Descriptors:** PATC forest pest control; PATC general public and homeowners

**Abstract:** This guide to common forest and shade tree pests in Georgia, their recognition, prevention, and control, is designed for FFA and 4-H high school students, vo-ag teachers, and 2 year technical forestry school students. Illustrations accompany the text on insect pests, diseases and animal and storm damages. The appendix lists pesticide

## PATC general public and homeowners

recommendations.

*NAL Call No.:* SB763.G4M5

### **A Homeowner's guide to outdoor pesticide safety.**

University of Arizona. Pesticide Coordinator's Office; University of Arizona. Agricultural Sciences Communications.

Tucson, Ariz. : The Office, c1990. 80 slides : col. + 1 sound cassette (18 min.) + 1 script (13 p.) + 1 manual for instructors (12 p.).

*Place of publication:* Arizona. *Language:* English.

*Descriptors:* PATC general public and homeowners; PATC ornamental, turf pest control

*Abstract:* This homeowner's guide to safe application of pesticides outdoors consists of a slide/tape set with script and an instructor's manual. This program emphasizes the importance of reading the pesticide label, wearing protective clothing and equipment, properly measuring, mixing, applying, and storing pesticides, disposing of excess pesticides and empty containers, cleaning up spills, and recognizing pesticide poisoning symptoms.

*NAL Call No.:* Slide no.347

### **Household insect control.**

Scheibner, R. A.

Rev. 9-85.

[Lexington, Ky.] : University of Kentucky, College of Agriculture, Cooperative Extension Service, [1985].

*Place of publication:* Kentucky. *Language:* English.

*Descriptors:* PATC general public and homeowners; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control

*Abstract:* This manual is for homeowners wishing to identify, control or eliminate insect pests in the home. Stored food, wood destroying, free foraging, fabric and paper, and nuisance pests as well as insects that bite or sting are cross referenced with materials that they attack. Recommended pesticides and remarks pertaining to pest management by Kentucky residents are included.

*NAL Call No.:* 275.29 K415E no.29

### **How groundwater contamination occurs.**

Vandre, Wayne.

University of Alaska (System). Cooperative Extension Service.

[Fairbanks, Alaska] : Cooperative Extension Service, University of Alaska Fairbanks ; [Washington, D.C.?] : USDA, [1990]. [2] p. ; 28 cm.

*Place of publication:* Alaska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners

*Abstract:* This publication explains how groundwater contamination occurs. It discusses the four major factors determining whether a chemical is likely to become a groundwater contaminant: 1) chemical properties, 2) soil properties, 3) site conditions, and 4) human activities or practices.

*NAL Call No.:* TD427.A35V3

### **How to use your right to know chemical hazards : a guide to the new hazard communication standards.**

McAteer, J. Davitt; Lawson, Dale.

Occupational Safety and Health Law Center. 1st ed.

Washington, D.C. : Occupational Safety and Health Law Center ; Pilgrim Press, [1986].

[New York, N.Y.] 75 p. ; 20 cm.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* This book describes in detail the Hazard Communication Standard in language easily understood by worker, grower, or applicator. It simplifies the federal requirement and systematically reviews the standard and its requirements. For agricultural workers, growers, certified applicators, non-certified applicators, and the general public.

*NAL Call No.:* T55.3.H3M3 1986



## PATC general public and homeowners

### **Insect and mite control in home orchard tree fruits and nuts.**

Antonelli, Arthur.

Pullman, Wash. : Cooperative Extension, College of Agriculture & Home Economics, Washington State University, [1988].

*Place of publication:* Washington. *Language:* English.

*Descriptors:* PATC general public and homeowners

*Abstract:* This publication covers sprayer and pesticide selection and safety precautions for use and insect and mite control in home orchard tree fruits and nuts. Charts cross reference apples, apricots, cherries, peaches, pears, plums-prunes, filberts and walnuts with pests, pesticides for specific growth periods or seasonal periods, and remarks. Contains black and white photographs of pump-up, trombone, hose and small tank sprayers.

*NAL Call No.:* 275.29 W27P no.932

### **Insect and mite control in ornamentals.**

Antonelli, Arthur.

Rev. Aug. 1989.

Pullman, Wash. : Cooperative Extension, College of Agriculture and Home Economics, Washington State University, [1989].

*Place of publication:* Washington. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC general public and homeowners

*Abstract:* Prepared for use by homeowners and professional pesticide applicators, this publication provides information on sprayer and pesticide selection and use precautions, and protective clothing. Includes charts cross referencing pests of specific ornamental plants with insecticides, rates and remarks. Charts of general pests of ornamentals and lawns complete this manual.

*NAL Call No.:* 275.29 W27P no.826

### **Lawn care for your home.**

Sullivan, Nancy 1929-.

United States. Environmental Protection Agency.

Chicago, Ill. : U.S. Environmental Protection Agency, Region 5, Office of Public Affairs, [1988]. 13 p. : ill. ; 22 cm.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC general public and homeowners

*Abstract:* This pamphlet, written for the homeowner in the midwestern United States, gives the EPA safety recommendations for private lawn care. Common and trade names for pesticides and herbicides are cross referenced. Advice for selection of a lawn care service is included.

*NAL Call No.:* SB608.T87S9

### **Log home construction and maintenance tips : how to prevent decay and insects.**

Price, Terry S.; Williams, Lonnie H.; Amburgey, Terry L.

[Macon, Ga.?] : Georgia Forestry Commission, [1987]. 1 v. (unpaged) : ill. ; 22 cm.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC institutional, structural pest control; PATC wood destroying organisms; PATC general public and homeowners

*Abstract:* This pamphlet is designed to inform homeowners, log home dealers, and manufacturers of construction and maintenance techniques to prevent log home decay and insect infestation. Color photos of fungi and insect pests and their mode of entry aid identification. The Appendix provides chemical treatment measures for these structural pests.

*NAL Call No.:* TH4840.P7

### **Mixing and using pesticides for the home yard and gardens.**

Graustein, Mark.

University of Delaware. Cooperative Extension Service. Rev. 1985.

Newark, Del. : Cooperative Extension Service, University of Delaware, 1985. 4 p. ; 28 cm.

*Place of publication:* Delaware. *Language:* English.

*Descriptors:* PATC general public and homeowners



## PATC general public and homeowners

*Abstract:* Gives instructions for mixing small quantities of spray and guidelines for safe pesticide use and storage which emphasize following label directions. For the general public.

*NAL Call No.:* SB961.G7 1985

### **Names, manufacturers, & toxicities of pesticides.**

Morgan, Edna Ruth.

[Mississippi State, Miss.] : Cooperative Extension Service, Mississippi State University, [1987?]. 32 p. ; 28 cm. -- Publication (Mississippi State University. Cooperative Extension Service) ; 1219.

*Place of publication:* Mississippi. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Cross referenced listing of selected pesticides, pests they should control, producers, and oral and dermal acute toxicity (LD50) and national and Mississippi emergency numbers. For agricultural workers, growers, certified applicators, non-certified applicators, and the general public.

*NAL Call No.:* 275.29 M68Ext no.1219

### **Ohio insect information.**

Ohio State University. Cooperative Extension Service.

Columbus, Ohio : Cooperative Extension Service, Ohio State University, [198?- ]. v. : ill. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC public health pest control; PATC general public and homeowners

*Abstract:* These publications provide information on the identification, life cycle, habits, non-chemical and chemical control of insect pests including ornamental and turfgrass, wood destroying, stored grain, and public health pests and moles

(insectivores). For homeowners and study material for Ohio commercial applicators.

*NAL Call No.:* SB934.5.O3O47

### **On-farm ag chemical safety.**

Monsanto Company.

[St. Louis, Mo.?] : Monsanto, c1989. 1 videocassette (25 min.) : sd., col. ; 1/2 in. + 1 booklet (8 p.) + 2 sets of Farm Family Chemical Safety Kit. -- Dealer environmental training & information library series ; 6.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC general public and homeowners; PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* Farm family chemical safety is the subject of D.E.T.A.I.L. 6 produced by Monsanto. Major topics covered include handling chemicals safely, understanding labels, wearing protective clothing, assessing pesticide inventory and storage facilities on the farm, and developing an emergency response plan. The manual and videotape outline and emphasize 17 safe chemical handling rules. The module also contains a kit of emergency and responsibility checklists and various forms.

*NAL Call No.:* Videocassette no.703

### **Persistence and mobility of pesticides in soil and water.**

McBride, Dean K; Peterson, Dallas E.; Lamey, H. Arthur.

Fargo, N.D. : NDSU Extension Service, North Dakota State University, [1988]. 7 p. ; 28 cm. -- Extension bulletin (NDSU Extension Service) ; no. 49.

*Place of publication:* North Dakota. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Provides information on factors involved in pesticide movement to groundwater. Includes charts rating persistence and mobility of certain pesticides in soil. For agricultural workers,

## PATC general public and homeowners

growers, certified applicators, non-certified applicators and the general public.

*NAL Call No.:* S544.3.N9N6 no.49

### **Pesticides : how they work, personal safety and emergency measures.**

Osmun, John V.; Hollingworth, Robert M., 1939-Purdue University. Cooperative Extension Service. Rev. 7/89.

West Lafayette, Ind. : Purdue University Cooperative Extension Service, 1989. 16 p. : ill. ; 28 cm. -- E (Purdue University. Cooperative Extension Service) ; 62.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Discusses principles of pesticide toxicity, hazards and routes of exposure. Also covers pesticide poisoning symptoms, first aid and safety tips. For agricultural workers, growers, certified applicators, non-certified applicators and the general public.

*NAL Call No.:* SB844.I6P8 no.62 1989

### **Pesticides for household and structural pests.**

Ohio State University. Cooperative Extension Service. Rev. 2/89.

[Columbus, Ohio] : Ohio Cooperative Extension Service, Ohio State University, [1989]. 20 p. : ill. ; 28 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 512.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC institutional, structural pest control; PATC general public and homeowners

*Abstract:* Used in commercial applicator training, this manual has been prepared to inform the homeowner how to safely and effectively use household pesticides and to help the homeowner decide when to consult a pest control operator. Pest identification and control, pesticide labels and labelling, and toxicity are discussed. Includes extensive table of control measures for household

and structural pests, pesticide names and LD values table, dilutions table and Poison Information Centers.

*NAL Call No.:* 275.29 OH32 no.512 1989

### **Pine bark beetles in urban areas.**

Price, Terry S.

[Macon, Ga.?] : Georgia Forestry Commission, [1987?]. 1 folded sheet (7 p.) ; 22 cm.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC forest pest control; PATC general public and homeowners

*Abstract:* This pamphlet informs urban tree owners how to identify, prevent and control damage caused by the five species of pine bark beetles in Georgia.

*NAL Call No.:* SB608.P65P7

### **Prevention and treatment of pesticide poisoning.**

Jennings, Bringle; Fant, Charlotte Mills.

[Rev.].

[Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, 1989. -- MP (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 198.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Covers first aid and emergency response for pesticide poisoning including preparation of appropriate first aid kits. Includes Arkansas Poison Control Center numbers. For agricultural workers, growers, certified applicators, non-certified applicators, and the general public.

*NAL Call No.:* 275.29 Ar4Mi no.198 1989

### **Protecting Alaska's groundwater quality.**

Vandre, Wayne.

University of Alaska (System). Cooperative Extension Service.



## PATC general public and homeowners

[Fairbanks, Alaska] : Cooperative Extension Service, University of Alaska Fairbanks ; USDA, [1990].  
[Washington, D.C.?] [2] p. ; 28 cm.

*Place of publication:* Alaska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners

*Abstract:* Preventative measures to protect groundwater quality are highlighted in this publication for individuals including farmers, home gardeners, and applicators, using pesticides in Alaska.

*NAL Call No.:* TD427.P35V3

### **A Road map to EPA's pesticide program : opportunities for public comment and sources of information.**

United States. Environmental Protection Agency. [Washington, D.C.?] : Office of Pesticide Programs, Environmental Protection Agency?, 1990?]. 1 sheet ; 28 cm.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC general public and homeowners

*Abstract:* Explains content of periodical reports issued by the Environmental Protection Agency's Office of Pesticide Programs, how to obtain these reports, and opportunities for public comment. For the general public.

*NAL Call No.:* SB951.R63

### **The safe and effective use of pesticides.**

Marer, Patrick J.; Flint, Mary Louise, 1949-; Stimmann, Michael W.

University of California Integrated Pest Management Program.

Oakland, Calif. : University of California Statewide Integrated Pest Management Project, Division of Agriculture and Natural Resources, 1988. x, 387 p. : ill. ; 28 cm. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 3324. -- Pesticide application compendium ; 1.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners

*Abstract:* Developed for use as a study guide for the State of California Qualified Pesticide Applicator License (QL) or Qualified Pesticide Applicator Certificate (QC) examinations, this manual provides information on how to use, handle, select, store, clean-up and dispose of pesticides safely and effectively. Pest identification, pest management concepts, and personal and environmental hazards associated with pesticide use are covered. Pesticide laws and regulations, protective clothing and equipment, first aid, procedures for handling emergencies, application equipment and calibration are discussed. Includes a glossary and conversion factors for calibration. This instructional guide is also a useful reference for growers, structural pest control operators, pest control advisors, pest management students, homeowners, or anyone involved in pesticide use decisions.

*NAL Call No.:* SB951.M29

### **Safe use of pesticides in the home and garden.**

Criswell, Jim T.

Rev.

[Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, [1989]. -- OSU extension facts ; 7450.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC general public and homeowners

*Abstract:* Discusses what pesticides are, safety and environmental hazards, pesticide selection, label reading, use precautions, storage, and disposal. For the general public.

*NAL Call No.:* S544.3.O5O5 no.7450 1989

### **Safety and clean up tips.**

University of Massachusetts (Amherst campus). Cooperative Extension Service.

[Amherst, Mass.?] : Cooperative Extension Service, University of Massachusetts, U.S. Dept. of Agriculture and County Extension Services cooperating, [1985?]. 1 sheet ; 28 cm. -- L (Univer-



## PATC general public and homeowners

sity of Massachusetts (Amherst campus). Cooperative Extension Services) ; 235.

*Place of publication:* Massachusetts. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC non-certified applicator

*Abstract:* Single sheet provides safety tips for use of pesticides and cleanup of spills around the home. Gives numbers for Massachusetts Poison Information Center. For growers, certified applicators, non-certified applicators and the general public.

*NAL Call No.:* SB952.5.S325

**Safety with pesticides in the home garden.** Becker, William J.; Cromroy, Harvey L. Gainesville, Fla. : Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida, [1986?]. [12] p. : ill. ; 23 cm. -- Circular (Florida Cooperative Extension Service) ; 672.

*Place of publication:* Florida. *Language:* English.

*Descriptors:* PATC general public and homeowners

*Abstract:* Covers the basics of safe pesticide use by home gardeners from selection and purchase to clean up and disposal. For the general public.

*NAL Call No.:* 275.29 F66C no.672

**The standard pesticide user's guide.**

Bohmert, Bert L.

Rev. and enl.

Englewood Cliffs, N.J. : Prentice hall, c1990. xii, 498 p. : ill. ; 25 cm.

*Place of publication:* New Jersey. *Language:* English.

*Descriptors:* PATC general public and homeowners; PATC pesticide dealers and distributors; PATC reference

*Abstract:* This manual contains information on: pesticides; insects, plant disease agents, vertebrate pests, and weeds; pesticide laws, liability, and

record keeping; pesticide labels; safety; and environmental considerations. Additionally, application equipment and calibration; transportation, storage, decontamination and disposal; and integrated pest management (IPM) are discussed. Contains a glossary, pesticide information telephone numbers, and an index of common pesticide classifications, names and trade names. For pesticide applicators (particularly commercial applicators), dealers, consultants, golf course superintendents, grounds maintenance supervisors, tree nursery managers and the general public.

*NAL Call No.:* SB951.B584 1990

**Stinging & biting pests of people.**

Evans, Burton R.

Rev. Aug., 1987.

Athens, Ga. : Cooperative Extension Service, University of Georgia College of Agriculture, [1987].

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC public health pest control; PATC general public and homeowners

*Abstract:* Descriptions and recommendations for control of stinging (bees, wasps, hornets, fire ants and scorpions), contact (caterpillars with poisonous spines) and biting (mosquitoes, flies, fleas, ticks, chiggers and spiders) insects are covered in this Georgia publication. Pesticide precautions are noted.

*NAL Call No.:* 275.29 G29C no.782

**Using pesticides safely : a guide for homeowners.**

Wilson, John H 1933-; Burnette, James W. 1952-; Sheets, Susan.

North Carolina. Dept. of Agriculture; North Carolina Agricultural Extension Service. Rev. [Raleigh, N.C.] : N.C. Agricultural Extension Service : N.C. Dept. of Agriculture, [1988]. 7 p. : ill. ; 15 x 23 cm.

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC general public and homeowners

*Abstract:* Text with graphics covers selection of pesticides, reading the label, use of protective

## PATC general public and homeowners

clothing, storage, disposal and emergency help for homeowners.

*NAL Call No.:* SB952.5.W54 1988

### **Venomous arthropods affecting forestry workers in Georgia.**

Price, Terry S.

[Macon, Ga.?] : Georgia Forestry Commission, [1986?]. 34 p. : ill. (some col.) ; 22 cm.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC public health pest control; PATC general public and homeowners

*Abstract:* This publication informs forestry workers and the general public how to prevent and treat arthropod (insect and arachnid) bites and stings. Color pictures of these pests and the injuries they cause, a table of treatments and of generalized symptoms of systemic reactions are provided.

*NAL Call No.:* RA641.A7P7

### **Your lawn.**

Street, John.

[Columbus, Ohio] : Ohio Cooperative Extension Service, Ohio State University, [1988]. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 271.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC general public and homeowners

*Abstract:* This publication covers lawn maintenance practices, weed control, turfgrass diseases and insect pests. General pest control measures pertaining to causes, symptoms, and timing of treatments are discussed rather than chemical recommendations. Outlines pesticide safety precautions. For homeowners and study material for commercial applicators in Ohio.

*NAL Call No.:* 275.29 Oh32 no.271

## PATC industrial pest control

### PATC industrial pest control

#### **1988 Oklahoma Grain Elevator Workshops : February 2, Chickasha, February 3, Enid, February 4, Woodward.**

Oklahoma Grain Elevator Workshops; Oklahoma State University. Cooperative Extension Service.; Farmers Cooperative Grain Dealers Association of Oklahoma; Oklahoma Grain and Feed Association.

[Stillwater, Okla.?] : The Service, [1988]. 1 v. (various pagings) : ill. ; 29 cm.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC fumigation

*Abstract:* This manual is composed of the presentations given at the 1988 Oklahoma Grain Elevator Workshops held February 2-4. Topics covered include an overview of the grain industry, one year sequence of stored grain management; storage production and chemical insect control; receiving and handling; grain blending; fumigation; integrated pest management; and aeration of commercial grain structures. Grain elevator maintenance guides, inspection checklists and housekeeping reports are provided.

*NAL Call No.:* SB190.O4 1988

#### **Aerial application handbook for applicators.**

Kuhlman, Dennis K.

Kansas State University. Cooperative Extension Service.

Manhattan, Kan. : Cooperative Extension Service, Kansas State University, 1981. 72, [1] p. : ill. ; 28 cm. -- MF (Kansas State University. Extension Service) ; 622.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest; PATC right-of-way pest control; PATC industrial pest control; PATC forest pest control

*Abstract:* Intended for aerial applicators, this handbook provides the keys to efficient and effective use of plant protection products by aerial applica-

tion. Major topics include calibration, drift prevention, Integrated Pest Management (IPM) implementation, and medical aspects of pesticides. The appendix contains application and calibration formulas, and toxicity charts for fungicides, herbicides, and insecticides.

*NAL Call No.:* S544.3.K2K3 no.622

#### **Apply pesticides correctly : a guide for commercial applicators : industrial, institutional, structural and health related pest control.**

Wamsley, Mary Ann; Vermeire, Donna M.

[Knoxville, Tenn.?] : University of Tennessee, Agricultural Extension Service in cooperation with U.S. Environmental Protection Agency, [1988?]. i, 15 p. : ill. ; 28 cm.

*Place of publication:* Tennessee. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* This training manual is for commercial pesticide applicators seeking certification in the industrial, institutional, structural and health related pest control categories in Tennessee. General insect pests are presented followed by: parasitic pests of man, occasional dwelling invaders, wood-destroying pests, stored product pests and vertebrate pests. Each type of pest is followed by suggested control treatments and methods of assessing the efficacy of the treatment.

*NAL Call No.:* SB952.8.A6

#### **General pest control : industrial, institutional, structural, and health related.**

Pinkston, Ken; Nesheim, O. Norman.

Oklahoma State University. Cooperative Extension Service. Rev. 1984 ed.

[Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, 1984. ii, 62 p. : ill. ; 28 cm. -- Circular (Oklahoma State University. Cooperative Extension Service) ; E-836.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC industrial pest control; PATC



## PATC industrial pest control

institutional, structural pest control; PATC public health pest control

*Abstract:* This training manual for commercial pesticide applicator certification preparation covers industrial, institutional, structural and public health pests and their control; equipment and application methods; pesticide label information; respirator care and use; and safety procedures. It contains drawings and pictorial keys to aid in pest identification and additional references.

*NAL Call No.:* 275.29 Ok41C no.836 1984

### **Industrial, institutional, structural, and health related study questions.**

Burgess, Gene.

University of Tennessee, Knoxville. Agricultural Extension Service. [Rev.].  
[Knoxville, Tenn.] : University of Tennessee, Agricultural Extension Service, [1988?]. 31, [1] p. ; 28 cm.

*Place of publication:* Tennessee. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* This manual is a compilation of multiple choice study questions designed to familiarize Tennessee pesticide applicants with industrial, institutional, structural and health related certification examination questions. Specific topics covered are common insects and arthropod pests, stored grain insects, fumigants, vertebrate pests, weeds, pesticide dilution formulation, and safety procedures. The answers are included.

*NAL Call No.:* SB950.2.T2C37 1988

### **Industrial, institutional, structural, & health-related pest control.**

Morgan, Edna Ruth.

University of Mississippi. Cooperative Extension Service.  
[Mississippi State, Miss.] : Mississippi Cooperative Extension Service, Mississippi State University, [1985]. 109 p. in various pagings : ill. ; 28 cm.

*Place of publication:* Mississippi. *Language:* English.

*Descriptors:* PATC commercial core training; PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* For use by commercial applicators preparing for certification in industrial, institutional, structural and health-related pest control, this manual emphasizes recognition and accurate diagnosis of pest problems. It covers the identification, biology and control of household pests and wood destroying organisms; pesticide toxicity; protective equipment and safety; general guidelines for disaster planning in the event of pesticide spills or contamination; and personnel, equipment and environmental decontamination. Includes study questions and answers and information on Mississippi's pesticide licenses, permits and certificates.

*NAL Call No.:* SB950.2.M7I6 1985

### **Industrial, institutional, structural, and health-related pest control : (supplemental manual for categories 7A and 7B certification).**

Kissam, J. B.

Clemson University. Cooperative Extension Service.

Clemson, S.C. : Clemson University, Cooperative Extension Service, [1980?]. 135 p. : ill. (some col.) ; 28 cm. -- Pesticide training series ; no. 7.

*Place of publication:* South Carolina. *Language:* English.

*Descriptors:* PATC commercial core training; PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* This study guide for certification examinations in the industrial, institutional, structural and health-related pest control categories provides information on techniques and strategies used to control common insect pests, other arthropods, birds, and vertebrates, based on their identification, life cycle and behavior. Pest control in food-processing facilities, commodity and structural fumigation, safety, environmental considerations and pesticide arithmetic are major topics covered. Contains color and black and white pictorial pest keys. Appendices include sample prefumigation

## PATC industrial pest control

and fumigation checklists and worksheets, canister selection information, physical properties of fumigants chart, fumigation apparatus diagram, and list of materials for tarpaulin fumigation.

*NAL Call No.:* SB950.2.S6K57

### **Industrial, institutional, structural and health-related pest control.**

Rev. May, 1982.

Athens, Ga. : Cooperative Extension Service, University of Georgia, College of Agriculture, [1982].

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control; PATC fumigation

*Abstract:* This manual is for those pesticide applicators applying for certification in the state of Georgia as an Industrial, Institutional, Structural and Health Related Pest Control Applicator. This guide supplements the core manual, highlighting preventive sanitation, pest control and pesticides, safe use of pesticides and recognition, treatment and control of common pests. Pests are illustrated and described; management strategies are suggested.

*NAL Call No.:* SB950.A1S62 no.17

### **Industrial, institutional, structural, and public health pest training manual.**

Montana. Dept. of Agriculture.

Helena, Mont. : Montana Department of Agriculture, 1981. i, 45 p. : ill. ; 28 cm.

*Place of publication:* Montana. *Language:* English.

*Descriptors:* PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* This manual serves as a study guide for certification examinations in Public Health Pest Control, Food Manufacturing and Processing, Industrial, Institutional, Structural and Health Related, and Regulatory Mosquito Abatement. It includes descriptions of pests and information on methods and pesticides used to control them.

*NAL Call No.:* SB950.2.M9I5

### **Institutional, industrial, structural, health-related pest control.**

Grodner, Mary L.; Bagent, Jack L.

Louisiana Cooperative Extension Service.

[Baton Rouge, La.] : Louisiana Cooperative Extension Service, Louisiana State University Agricultural Center, [1985?]. 66 p. : ill. ; 28 cm.

*Place of publication:* Louisiana. *Language:* English.

*Descriptors:* PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* This Louisiana state publication is a training manual for pesticide applicators who seek certification in industrial, institutional, structural and health-related pest control. Regulatory requirements, sanitation and fumigation are discussed. Labels and labeling warnings and information are explained. Protective clothing advice and environmental safety tips are included. A detailed chart cross-references the effects of pesticide chemicals on the human body. Insect pests are described and illustrated.

*NAL Call No.:* SB951.G77

### **Microbial pest control.**

Bond, Ronald C.; French, David J.; Evans, Burton R.; Bynum, Donna D.

University of Georgia. Cooperative Extension Service; Georgia. Dept. of Agriculture. Rev.

Athens, Ga. : Cooperative Extension Service, University of Georgia, College of Agriculture, [1988?]. 44 p. : ill. ; 28 cm. -- Special bulletin (University of Georgia. Cooperative Extension Service) ; 26.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC industrial pest control; PATC institutional, structural pest control; PATC disinfectants

*Abstract:* This manual includes definitions of various microorganisms, methods of control and formulations of antimicrobial agents, equipment and safety information, and a review of laws and regulations.



## PATC industrial pest control

NAL Call No.: SB950.A1S62 no.24 1988

### **Pest management principles for the commercial applicator : fumigation pest control.**

Wedberg, J. L.

2nd ed.

Madison, Wis. : University of Wisconsin-Extension, 1988. 1 v. (various pagings) : ill. ; 30 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC industrial pest control; PATC institutional, structural pest control; PATC fumigation

*Abstract:* Training manual for commercial pesticide applicators in the fumigation pest-control category. Major topics: fumigants; methods of fumigation; principles of insect control; calibration; stored grain fumigation; toxicity of pesticides; protecting human health and the environment; disposal; and label information. Includes study guide of multiple choice questions and answers.

NAL Call No.: SB955.F82 1988

### **Pest management principles for the commercial applicator : structural pest control.**

Pellitteri, Phil.

2nd ed.

Madison, Wis. : University of Wisconsin-Extension, Cooperative Extension, 1988. vi, 210 p. : ill. : 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* Training manual for commercial pesticide applicators in the structural pest control category. Major topics: principles of insect control; commensal rodents; pest birds; application equipment and calibration; toxicity of pesticides; protecting human health and the environment; disposal; and label information.

NAL Call No.: SB950.2.W6P44 1988

### **Pest management principles for the commercial applicator : structural pest control study guide.**

Pellitteri, Phil.

2nd ed.

Madison, Wis. : University of Wisconsin-Extension, Cooperative Extension, 1988. 29 p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC wood destroying organisms; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* This study guide accompanies "Pest management principles for the commercial applicator : structural pest control." It contains multiple choice questions and answers on a variety of subjects including laws and regulations, formulations, safety, application principles, and resistance to pesticides.

NAL Call No.: SB950.2.W6P442 1988

### **Pest management principles for the commercial applicator : wood preservation pest control.**

University of Wisconsin--Extension. Slightly rev. May 1988.

Madison, Wis. : University of Wisconsin-Extension], 1988. ca. 147 p. : ill. ; 30 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC wood destroying organisms; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* Training manual for commercial applicators in the wood preservation pest control category. Major topics: wood pests; wood preservatives; application of wood preservatives; toxicity of pesticides; protecting human health and the environment; disposal; consumer information sheets; and label information.

NAL Call No.: SB950.2.W6P4 1988

### **Pest management principles for the commercial applicator : wood-destroying or-**



## PATC industrial pest control

### **ganisms.**

Pellitteri, Phil; Neher, Nick; Flashinski, Roger.  
2nd ed.

[Madison, Wis. : University of Wisconsin-Extension, 1988]. 1 v. (various pagings) : ill. ; 30 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC wood destroying organisms; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* Training manual for commercial pesticide applicators in the wood-destroying organisms pest control category. Major topics: wood decay in structures; termites; principles of insect control; application equipment and calibration; toxicity of pesticides; protecting human health and the environment; disposal; and label information. Includes study guide containing multiple choice questions.

*NAL Call No.:* SB950.2.W6W6 1988

### **Pesticide application and safety training study guide : agricultural-livestock pests.**

Metro-Pest Management Consultants, Inc; Colorado. Division of Plant Industry.

[Denver, Colo.] : Colorado Dept. of Agriculture, Division of Plant Industry, [1980]. 37, [3] p. : ill. ; 28 cm.

*Place of publication:* Colorado. *Language:* English.

*Descriptors:* PATC industrial pest control; PATC institutional, structural pest control; PATC vertebrate pest

*Abstract:* This Colorado study guide/manual contains the educational information needed by the commercial pesticide applicator to pass the written state certification examination in outdoor vertebrate pest control. The study guide focuses on vertebrates but excludes rats and mice. Control strategies developed for each pest include habitat manipulation, behavioral manipulation, and population reduction. The common pests discussed include bats, birds, moles, gophers, skunks, rabbits, squirrels, porcupines, prairie dogs, coyote, racoons, deer and snakes. Indexed toxicants (avicides and rodenticides) and fumigants--their use, history, characteristics, pharmacology, toxicity, and first aid

treatment--are discussed. Colorado State Extension Service Offices' addresses and the Rocky Mountain Poison Control Center toll free telephone number are listed.

*NAL Call No.:* SF810.A3P47

### **Pesticide application and safety training study guide : industrial & right-of-way weed control.**

Colorado. Division of Plant Industry; Colorado State University. Cooperative Extension Service. Rev. 10-90.

Denver Colo. : Colorado Dept. of Agriculture, Division of Plant Industry, 1990. [ii], 42 p. : ill. ; 28 cm.

*Place of publication:* Colorado. *Language:* English.

*Descriptors:* PATC right-of-way pest control; PATC industrial pest control

*Abstract:* This Colorado study guide/manual contains the educational information needed by the commercial pesticide applicator to pass the written state licensing examination in the industrial and right-of-way weed control category. The weeds commonly treated, the herbicide actions and application, and herbicide application equipment are discussed. Special treatments described include treatment on vacant lots and treatment under paving. Integrated pest management principles and the biological control of weeds are discussed. Safety strategies, first aid treatments and environmental concerns are addressed. Calibration tables and formulas are given. Colorado State Extension Service Offices' addresses and telephone numbers and the Rocky Mountain Poison Control Center toll free telephone number are listed. A glossary is included.

*NAL Call No.:* SB951.4.P47 b 1990

### **Pesticide applicator training : [category 7].**

Purdue University.

[West Lafayette, Ind.] : Purdue University, [1988-]. v. : ill. (some col.), maps ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC right-of-way pest control; PATC stored,

## PATC industrial pest control

processed, manufactured product pest control; PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control; PATC fumigation

*Abstract:* Five manuals cover the six divisions of Pesticide Applicator Training Category 7. Four manuals prepare commercial pesticide applicators for certification. One manual (7bRT) prepares wood destroying organism technicians for registration. This broad category encompasses the identification and control of industrial, institutional, and health related pests, wood destroying pests, stored food, and common household pests. Pesticide selection, labels, safety, protective equipment, application, calibration, fumigation, toxicity and environmental protection are discussed.

*NAL Call No.:* SB951.P4629

### **Pesticide applicator training : [public health pest control].**

Purdue University.

[West Lafayette, Ind.] : Purdue University, [1988?]. 1 v. (various pagings) : ill. (some col.) ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC industrial pest control; PATC public health pest control

*Abstract:* Intended for commercial pesticide applicator training, this manual provides information on the major public health pests and nonchemical and chemical methods to control them. It studies the life cycles and habitats of these pest insects, mites, ticks, spiders, and vertebrates and how they transmit diseases. Equipment calibration, and environmental concerns, specifically controlling pesticide drift and minimizing harmful effects of pest control on the environment are covered.

*NAL Call No.:* SB951.P463

### **Safe practices in the use and handling of Fumitoxin.**

Pestcon Systems, Inc.

[Des Moines, Iowa] : Pestcon Systems, Inc, [1988?]. 1 v. (unpaged) : ill. ; 28 cm.

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC fumigation; PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* This ready reference manual produced by PESTCON SYSTEMS INC. compiles FUMITOXIN fumigant labels and its Material Safety Data Sheet in individual clear plastic covers. It emphasizes safe handling and application practices in the use of this restricted pesticide for stored, processed, manufactured product pest control.

*NAL Call No.:* SB952.5.S32

### **Service technician's manual.**

National Pest Control Association. Education Committee. Rev. 1986.

Dunn Loring, Va. : The Association, 1986. vii, 154 p. : ill. ; 23 cm.

*Place of publication:* Virginia. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* The National Pest Control Association Service Technician's Manual is intended to serve as both an orientation manual and field reference manual. Major topics covered are: the basic steps of pest control; federal laws and regulations affecting structural pest control; the pesticide label; pesticides and how to use them safely and effectively; vertebrate, insect and related pests; insect control equipment; safety and environmental concerns. The manual contains chapter review questions, emergency first-aid measures for poisoning, and illustrations accompanying insect descriptions.

*NAL Call No.:* SB951.S47 1986



## **PATC institutional, structural pest control**

### **1990 insecticide recommendations for Arkansas.**

Johnson, Donald R.; Jones, Bill F.  
University of Arkansas, Fayetteville. Cooperative Extension Service; United States. Dept. of Agriculture.  
[Fayetteville, Ark.] : Cooperative Extension Service, University of Arkansas, [1990?]. 135 p. : ill. ; 28 cm.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC institutional, structural pest control; PATC aerial pest control; PATC demonstration, research

*Abstract:* This guide contains 1990 insecticide recommendations for Arkansas for insect pests of specific animals, field crops, fruit and nuts, and vegetables. Additionally, it lists suggested insecticides for recreation areas, flowers, trees and shrubs, turfgrass, golf courses, commercial Christmas trees, and household pests. It provides basic information about insecticides, calibration, and addresses and telephone numbers of Poison Control Centers in Arkansas.

*NAL Call No.:* SB950.2.A82J6

### **Apply pesticides correctly : a guide for commercial applicators : industrial, institutional, structural and health related pest control.**

Wamsley, Mary Ann; Vermeire, Donna M.  
[Knoxville, Tenn.?] : University of Tennessee, Agricultural Extension Service in cooperation with U.S. Environmental Protection Agency, [1988?]. i, 15 p. : ill. ; 28 cm.

*Place of publication:* Tennessee. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* This training manual is for commercial pesticide applicators seeking certification in the

industrial, institutional, structural and health related pest control categories in Tennessee. General insect pests are presented followed by: parasitic pests of man, occasional dwelling invaders, wood-destroying pests, stored product pests and vertebrate pests. Each type of pest is followed by suggested control treatments and methods of assessing the efficacy of the treatment.

*NAL Call No.:* SB952.8.A6

### **Cockroach control.**

Scheibner, R. A.  
Rev. 7-87.

[Lexington, Ky.] : University of Kentucky, College of Agriculture, Cooperative Extension Service, [1987].

*Place of publication:* Kentucky. *Language:* English.

*Descriptors:* PATC institutional, structural pest control; PATC general public and homeowners

*Abstract:* This publication explains how to control the four kinds of cockroaches which are common household pests in Kentucky (German, brown-banded, American and Oriental cockroaches) using preventative measures and insecticides. It discusses how and where to apply pesticides, the advantages and disadvantages of different insecticide formulations, active ingredients, reasons for poor control results and when homeowners should seek professional help. Illustrations of cockroaches aid in identification.

*NAL Call No.:* 275.29 K415E no.1

### **Commercial applicator certification : category 7A household pests, category 7D vertebrate pests.**

Alm, Steven R.; Siligato, Peggy.  
Kingston, R.I. : University of Rhode Island, Cooperative Extension, College of Resource Development, [1991]. 1 v. (various pagings) : ill. ; 28 cm.

*Place of publication:* Rhode Island. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control



## PATC institutional, structural pest control

*Abstract:* Designed to prepare commercial applicators for certification in household and vertebrate pest control in Rhode Island, this study packet contains lists of: suggested references; commonly used pesticides, common structural insects and vertebrate pests and their chemical and non-chemical controls, and equipment which these applicators should be familiar with; subject areas they should be proficient in; and continuing education resources. Includes sample labels and Material Safety Data Sheets, state regulations covering fur-bearing animals, and bird control guidelines.

*NAL Call No.:* TX325.C63

### Control of household insects and their relatives.

Jones, Bill F.; Johnson, Don R.  
University of Arkansas, Fayetteville. Cooperative Extension Service. [Rev. 4-89].  
[Fayetteville, Ark.?] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture, and county governments cooperating, [1989]. 1 sheet : ill. ; 31 x 46 cm. folded to 23 x 11 cm. -- EL (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 392.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control

*Abstract:* This pamphlet, written for pesticide applicators in the state of Arkansas, is an identification guide for common household insects and pests. It cross references the insect and its habits with suggestions for control and treatment. Dosage recommendations for insecticides by both common and chemical names are listed.

*NAL Call No.:* 275.29 Ar4Le no.392 1989

### Controlling millipedes and sowbugs.

Scheibner, R. A.  
Rev. 7-87.  
[Lexington, Ky.] : University of Kentucky, College of Agriculture, Cooperative Extension Service, [1987].

*Place of publication:* Kentucky. *Language:* English.

*Descriptors:* PATC institutional, structural pest

control; PATC general public and homeowners

*Abstract:* This publication describes millipedes and sowbugs and how to control these pests by preventing invasion of homes or using recommended insecticides.

*NAL Call No.:* 275.29 K415E no.3

### General pest control : industrial, institutional, structural, and health related.

Pinkston, Ken; Nesheim, O. Norman.  
Oklahoma State University. Cooperative Extension Service. Rev. 1984 ed.  
[Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, 1984. ii, 62 p. : ill. ; 28 cm. -- Circular (Oklahoma State University. Cooperative Extension Service) ; E-836.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* This training manual for commercial pesticide applicator certification preparation covers industrial, institutional, structural and public health pests and their control; equipment and application methods; pesticide label information; respirator care and use; and safety procedures. It contains drawings and pictorial keys to aid in pest identification and additional references.

*NAL Call No.:* 275.29 Ok41C no.836 1984

### General structural pest control, manual 95.

Sanders, Darryl.  
Rev. January 1989.  
Columbia, Mo. : University Extension, University of Missouri, 1989. 1 v. (various pagings) : ill. (some col.) ; 28 cm.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC institutional, structural pest control

*Abstract:* This training manual, written for those preparing for their commercial licensing examination in general structural pest control, includes a

## PATC institutional, structural pest control

general discussion of the proper use and safety precautions. It is followed by detailed descriptions of cockroaches, ants, wasps, bees, fleas, ticks, flies, silverfish, lice, spiders, beetles, moths, weevils, termites, rats, mice, birds, bats, skunks, squirrels, moles and snakes and control approaches. Colored photographs help identify individual species. Agriculture guides help trace life cycles and further clarify control problems.

*NAL Call No.:* SB950.2.M8G46 1989

### Household insect control.

Scheibner, R. A.

Rev. 9-85.

[Lexington, Ky.] : University of Kentucky, College of Agriculture, Cooperative Extension Service, [1985].

*Place of publication:* Kentucky. *Language:* English.

*Descriptors:* PATC general public and homeowners; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control

*Abstract:* This manual is for homeowners wishing to identify, control or eliminate insect pests in the home. Stored food, wood destroying, free foraging, fabric and paper, and nuisance pests as well as insects that bite or sting are cross referenced with materials that they attack. Recommended pesticides and remarks pertaining to pest management by Kentucky residents are included.

*NAL Call No.:* 275.29 K415E no.29

### Illinois pest control handbook.

University of Illinois at Urbana-Champaign. Cooperative Extension Service; Illinois. Natural History Survey Division.

[Urbana, Ill.] : Cooperative Extension Service, University of Illinois at Urbana-Champaign, 1986-. v. : ill. ; 28 cm.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC animal agricultural pest; PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC stored, processed, manufactured product pest con-

trol; PATC institutional, structural pest control

*Abstract:* The Illinois Pest Control Handbook, a compilation of detailed information on pests (insects, plants, animals, fungi, and nematodes) and pesticides (herbicides, insecticides, fungicides, nematicides and restricted-use pesticides), informs the applicator how to develop strategies for integrated pest management. It covers pests of field crops and livestock, vegetable crops, ornamentals and turf, homes, yards, and gardens. Many tables cross reference pest problems with recommended pest management guidelines which include control methods instructions, pesticides and treatments. The handbook is revised annually.

*NAL Call No.:* SB950.2.I3I46

### Industrial, institutional, structural, and health related study questions.

Burgess, Gene.

University of Tennessee, Knoxville. Agricultural Extension Service. [Rev.].

[Knoxville, Tenn.] : University of Tennessee, Agricultural Extension Service, [1988?]. 31, [1] p. ; 28 cm.

*Place of publication:* Tennessee. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* This manual is a compilation of multiple choice study questions designed to familiarize Tennessee pesticide applicants with industrial, institutional, structural and health related certification examination questions. Specific topics covered are common insects and arthropod pests, stored grain insects, fumigants, vertebrate pests, weeds, pesticide dilution formulation, and safety procedures. The answers are included.

*NAL Call No.:* SB950.2.T2C37 1988

### Industrial, institutional, structural, & health-related pest control.

Morgan, Edna Ruth.

University of Mississippi. Cooperative Extension Service.

[Mississippi State, Miss.] : Mississippi Cooperative Extension Service, Mississippi State University,



## PATC institutional, structural pest control

[1985]. 109 p. in various pagings : ill. ; 28 cm.

*Place of publication:* Mississippi. *Language:* English.

*Descriptors:* PATC commercial core training; PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* For use by commercial applicators preparing for certification in industrial, institutional, structural and health-related pest control, this manual emphasizes recognition and accurate diagnosis of pest problems. It covers the identification, biology and control of household pests and wood destroying organisms; pesticide toxicity; protective equipment and safety; general guidelines for disaster planning in the event of pesticide spills or contamination; and personnel, equipment and environmental decontamination. Includes study questions and answers and information on Mississippi's pesticide licenses, permits and certificates.

*NAL Call No.:* SB950.2.M7I6 1985

### **Industrial, institutional, structural, and health-related pest control : (supplemental manual for categories 7A and 7B certification).**

Kissam, J. B.

Clemson University. Cooperative Extension Service.

Clemson, S.C. : Clemson University, Cooperative Extension Service, [1980?]. 135 p. : ill. (some col.) ; 28 cm. -- Pesticide training series ; no. 7.

*Place of publication:* South Carolina. *Language:* English.

*Descriptors:* PATC commercial core training; PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* This study guide for certification examinations in the industrial, institutional, structural and health-related pest control categories provides information on techniques and strategies used to control common insect pests, other arthropods, birds, and vertebrates, based on their identification, life cycle and behavior. Pest control in food-processing facilities, commodity and structural

fumigation, safety, environmental considerations and pesticide arithmetic are major topics covered. Contains color and black and white pictorial pest keys. Appendices include sample prefumigation and fumigation checklists and worksheets, canister selection information, physical properties of fumigants chart, fumigation apparatus diagram, and list of materials for tarpaulin fumigation.

*NAL Call No.:* SB950.2.S6K57

### **Industrial, institutional, structural and health-related pest control.**

Rev. May, 1982.

Athens, Ga. : Cooperative Extension Service, University of Georgia, College of Agriculture, [1982].

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control; PATC fumigation

*Abstract:* This manual is for those pesticide applicators applying for certification in the state of Georgia as an Industrial, Institutional, Structural and Health Related Pest Control Applicator. This guide supplements the core manual, highlighting preventive sanitation, pest control and pesticides, safe use of pesticides and recognition, treatment and control of common pests. Pests are illustrated and described; management strategies are suggested.

*NAL Call No.:* SB950.A1S62 no.17

### **Industrial, institutional, structural, and public health pest training manual.**

Montana. Dept. of Agriculture.

Helena, Mont. : Montana Department of Agriculture, 1981. i, 45 p. : ill. ; 28 cm.

*Place of publication:* Montana. *Language:* English.

*Descriptors:* PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* This manual serves as a study guide for certification examinations in Public Health Pest Control, Food Manufacturing and Processing, In-



## PATC institutional, structural pest control

dustrial, Institutional, Structural and Health Related, and Regulatory Mosquito Abatement. It includes descriptions of pests and information on methods and pesticides used to control them.

*NAL Call No.:* SB950.2.M9I5

### **Institutional, industrial, structural, health-related pest control.**

Grodner, Mary L.; Bagent, Jack L.

Louisiana Cooperative Extension Service.

[Baton Rouge, La.] : Louisiana Cooperative Extension Service, Louisiana State University Agricultural Center, [1985?]. 66 p. : ill. ; 28 cm.

*Place of publication:* Louisiana. *Language:* English.

*Descriptors:* PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* This Louisiana state publication is a training manual for pesticide applicators who seek certification in industrial, institutional, structural and health-related pest control. Regulatory requirements, sanitation and fumigation are discussed. Labels and labeling warnings and information are explained. Protective clothing advice and environmental safety tips are included. A detailed chart cross-references the effects of pesticide chemicals on the human body. Insect pests are described and illustrated.

*NAL Call No.:* SB951.G77

### **The Law and regulations on licensing pest control operators : a handbook for commercial pest control operators.**

Arkansas. State Plant Board; Arkansas. Arkansas pest control law. Rev.

Little Rock, Ark. : State Plant Board, Pest Control Section, 1984. 27 p. : ill. ; 22 cm. -- Circular (Arkansas. State Plant Board) ; 6.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC fumigation

*Abstract:* The Arkansas Pest Control Law and the

regulations of the State Plant Board for licensing pesticide control applicators are the contents of this handbook. The 1985 regulation changes are attached separately.

*NAL Call No.:* KFA3882.I5A3 1984

### **Log home construction and maintenance tips : how to prevent decay and insects.**

Price, Terry S.; Williams, Lonnie H.; Amburgey, Terry L.

[Macon, Ga.?] : Georgia Forestry Commission, [1987]. 1 v. (unpaged) : ill. ; 22 cm.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC institutional, structural pest control; PATC wood destroying organisms; PATC general public and homeowners

*Abstract:* This pamphlet is designed to inform homeowners, log home dealers, and manufacturers of construction and maintenance techniques to prevent log home decay and insect infestation. Color photos of fungi and insect pests and their mode of entry aid identification. The Appendix provides chemical treatment measures for these structural pests.

*NAL Call No.:* TH4840.P7

### **Microbial pest control.**

Bond, Ronald C.; French, David J.; Evans, Burton R.; Bynum, Donna D.

University of Georgia. Cooperative Extension Service; Georgia. Dept. of Agriculture. Rev.

Athens, Ga. : Cooperative Extension Service, University of Georgia, College of Agriculture, [1988?]. 44 p. : ill. ; 28 cm. -- Special bulletin (University of Georgia. Cooperative Extension Service) ; 26.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC industrial pest control; PATC institutional, structural pest control; PATC disinfectants

*Abstract:* This manual includes definitions of various microorganisms, methods of control and formulations of antimicrobial agents, equipment and safety information, and a review of laws and regulations.

## PATC institutional, structural pest control

NAL Call No.: SB950.A1S62 no.24 1988

### [Miscellaneous study materials for commercial applicators.]

Arkansas. State Plant Board.

[Little Rock, Ark. : The Board, 1976?]. v. : ill. ; 23-36 cm.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC fumigation

*Abstract:* This compilation of materials for persons desiring a license for Pest Control Service work in Arkansas includes: Arkansas State Plant Board Application for Pest Control Examination; some specific category requirements; notification of a regulation change; and various publications on food processing, structural, ornamental, turfgrass and forest pest control, rats and fumigation.

NAL Call No.: SB952.863.A82M5

### [Miscellaneous study materials for commercial applicators].

Ohio. Dept. of Agriculture Laboratories.

[Columbus, Ohio : The Department, 1959-]. v. : ill. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC forest pest control; PATC public health pest control; PATC fumigation; PATC seed treatment; PATC demonstration, research

*Abstract:* These commercial applicator study materials include: general core information on Ohio pesticide regulations, Poison Control Centers, pesticide safety and toxicity, and groundwater protection; and information pertaining to the control of plant agricultural, forest, ornamental, turf, vertebrate (bird), structural (termite), public health (mosquito) and stored grain pests; fumigation;

seed treatment; and demonstration and research.

NAL Call No.: SB952.863.O3M5

### NOR-AM technical protocol.

NOR-AM Chemical Company.

Wilmington, Del. : NOR-AM Chemical Co, [1987?]. 9 v. ; 28 cm.

*Place of publication:* Delaware. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC specialized pest control; PATC public health pest control; PATC private sector produced material

*Abstract:* Nine NOR-AM Chemical Company Technical Protocols suggest an eight-step pest management system for pesticide applicators who apply chemicals in: apartment and condominium complexes; hotels, resorts and theme parks; restaurants and fast food operations; hospitals and nursing homes; food processing plants; offices, schools and computer rooms; modes of transportation; houses; and animal research laboratories, zoos and pet stores. The eight steps include: 1) obtaining management cooperation, 2) inspection, 3) developing non-chemical treatment recommendations, 4) developing chemical treatment recommendations, 5) securing cooperation of occupants/staff, 6) implementation of initial treatments, 7) implementation of follow-up treatments, and 8) follow-up inspections.

NAL Call No.: SB950.92.N67

### Ohio insect information.

Ohio State University. Cooperative Extension Service.

Columbus, Ohio : Cooperative Extension Service, Ohio State University, [198?- ]. v. : ill. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC public health pest control; PATC general public and homeowners

*Abstract:* These publications provide information on the identification, life cycle, habits, non-



## PATC institutional, structural pest control

chemical and chemical control of insect pests including ornamental and turfgrass, wood destroying, stored grain, and public health pests and moles (insectivores). For homeowners and study material for Ohio commercial applicators.

*NAL Call No.:* SB934.5.O3O47

### **Pest control serviceman's training program : group 4, rodents.**

National Pest Control Association.; Industrial Teaching Systems Corporation. Rev. 1983.

Dunn Loring, Va. : The Association, 1983, c1974. 8 v. : ill. ; 28 cm. + 1 set of worksheets.

*Place of publication:* Virginia. *Language:* English.

*Descriptors:* PATC institutional, structural pest control

*Abstract:* Eight self-instructional programmed workbooks for pest control operators (PCOs) comprise Group 4 series: Rodents. Book 1 aids in identification and differentiation between the Norway rat and the roof rat. Book 2 covers the nocturnal, climbing, swimming, eating, and nesting habits of rats. Book 3 aids in the recognition of the common house mouse and its habits. Book 4 helps familiarize PCOs with evidence of rodent infestation--droppings, gnawing marks, and proper rodenticides to employ against mice or rat infestation. Book 6 examines the proper use and application of anticoagulant rodenticides. Book 7 describes rodents. Book 8 reviews the previous seven manuals on rodent identification and control strategies. The workbooks have both a pretest and a post test (and answers) that allow the PCO trainee to make accurate self-evaluations. A booklet of worksheets accompanies the rodent training program.

*NAL Call No.:* SB994.R6P47 1983

### **Pest control serviceman's training program. Group 1, Cockroaches.**

Industrial Teaching Systems Corporation.; National Pest Control Association. Rev. 1985.

Dunn Loring, Va. : National Pest Control Association, 1985. 6 v. : ill. ; 28 cm.

*Place of publication:* Virginia. *Language:* English.

*Descriptors:* PATC institutional, structural pest

control

*Abstract:* Five self-study workbooks for pest control operators (PCOs) comprise Group 1 series: Cockroaches. Each workbook contains a pretest, a learning program, a post test and an answer sheet. Book 1 aids in identification of four common cockroaches--German, American, Oriental, and brown-banded. Book 2 covers the habits of these common cockroaches. Book 3 describes how to properly conduct thorough inspections and how to classify cockroach hiding places. Book 4 covers insecticides for killing cockroaches and residual spray, dust, and space treatments. Book 5 explains what a PCO should do when s/he finds cockroaches and appropriate chemical formulations for specific treatment situations. A booklet containing master copies of workbook answer sheets accompanies this training program.

*NAL Call No.:* TX325.P45 1985

### **Pest control serviceman's training program. Group 2, Equipment.**

Industrial Teaching Systems Corporation; National Pest Control Association. Rev. 1984.

Dunn Loring, Va. : National Pest Control, 1984, c1973. 5 v. : ill. ; 28 cm.

*Place of publication:* New Jersey. *Language:* English.

*Descriptors:* PATC institutional, structural pest control

*Abstract:* Four self-study workbooks for pest control operators (PCOs) comprise the Group 2 series: Equipment. Book 1 focuses on the most commonly used piece of equipment in the pest control industry, the compressed air sprayer, its components and how it operates. Book 2 covers its maintenance. Book 3 reviews dusters. Book 4 examines space treatment. Each workbook contains a pretest, a learning program, a post test and an answer sheet. This training program is accompanied by a guide and master answer sheet booklet.

*NAL Call No.:* S694.N38 1984

### **Pest control serviceman's training program. Group 5, termites.**

National Pest Control Association; Industrial Teaching Systems Corporation. Rev. 1983.



## PATC institutional, structural pest control

Dunn Loring, Va. : The Association, 1983, c1974.  
5 v. : ill. ; 28 cm.

*Place of publication:* Virginia. *Language:* English.

*Descriptors:* PATC institutional, structural pest control

*Abstract:* Four self-study workbooks for pest control operators (PCOs) comprise Group 5 series: Termites. Book 1 covers: (1) a termite colony's social structure, (2) how colonies form, and (3) how to distinguish termites from ants. Book 2 identifies and compares the three different types of termites living in the United States--the subterranean, the dampwood and the drywood termite. Book 3 illustrates the signs of damage caused by these three types of termites PCOs should look for when inspecting for termites. Book 4 provides information on how to treat and control these termites. A pretest, a learning program, a post test and an answer sheet are included in each workbook. A booklet containing master copies of workbook answer sheets accompanies this training program.

*NAL Call No.:* SB945.T45P47 1983

### **Pest management education program for public housing authority management personnel and residents.**

Gladin, Jodie.

[Stillwater, Okla.?] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, [1987?].

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* This publication is designed as a report on a pest management program for residents and management personnel of the Oklahoma City Housing Authority to increase the effective use of pest control procedures. It can assist homeowners, extension agents, management personnel and residents of multiple unit housing complexes as well as professional, certified pest control operators in the application of the proper urban pest management principles that can be derived from this study.

*NAL Call No.:* 275.29 Ok41C no.864

### **Pest management principles for the commercial applicator : fumigation pest control.**

Wedberg, J. L.

2nd ed.

Madison, Wis. : University of Wisconsin-Extension, 1988. 1 v. (various pagings) : ill. ; 30 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC industrial pest control; PATC institutional, structural pest control; PATC fumigation

*Abstract:* Training manual for commercial pesticide applicators in the fumigation pest-control category. Major topics: fumigants; methods of fumigation; principles of insect control; calibration; stored grain fumigation; toxicity of pesticides; protecting human health and the environment; disposal; and label information. Includes study guide of multiple choice questions and answers.

*NAL Call No.:* SB955.F82 1988

### **Pest management principles for the commercial applicator : structural pest control.**

Pellitteri, Phil.

2nd ed.

Madison, Wis. : University of Wisconsin-Extension, Cooperative Extension, 1988. vi, 210 p. : ill. : 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* Training manual for commercial pesticide applicators in the structural pest control category. Major topics: principles of insect control; commensal rodents; pest birds; application equipment and calibration; toxicity of pesticides; protecting human health and the environment; disposal; and label information.

*NAL Call No.:* SB950.2.W6P44 1988

## PATC institutional, structural pest control

### **Pest management principles for the commercial applicator : structural pest control study guide.**

Pellitteri, Phil.

2nd ed.

Madison, Wis. : University of Wisconsin-Extension, Cooperative Extension, 1988. 29 p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC wood destroying organisms; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* This study guide accompanies "Pest management principles for the commercial applicator : structural pest control." It contains multiple choice questions and answers on a variety of subjects including laws and regulations, formulations, safety, application principles, and resistance to pesticides.

*NAL Call No.:* SB950.2.W6P442 1988

### **Pest management principles for the commercial applicator : wood preservation pest control.**

University of Wisconsin--Extension. Slightly rev. May 1988.

Madison, Wis. : University of Wisconsin-Extension, 1988. ca. 147 p. : ill. ; 30 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC wood destroying organisms; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* Training manual for commercial applicators in the wood preservation pest control category. Major topics: wood pests; wood preservatives; application of wood preservatives; toxicity of pesticides; protecting human health and the environment; disposal; consumer information sheets; and label information.

*NAL Call No.:* SB950.2.W6P4 1988

### **Pest management principles for the commercial applicator : wood-destroying or-**

### **ganisms.**

Pellitteri, Phil; Neher, Nick; Flashinski, Roger.

2nd ed.

[Madison, Wis. : University of Wisconsin-Extension, 1988]. 1 v. (various pagings) : ill. ; 30 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC wood destroying organisms; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* Training manual for commercial pesticide applicators in the wood-destroying organisms pest control category. Major topics: wood decay in structures; termites; principles of insect control; application equipment and calibration; toxicity of pesticides; protecting human health and the environment; disposal; and label information. Includes study guide containing multiple choice questions.

*NAL Call No.:* SB950.2.W6W6 1988

### **Pesticide application and safety training study guide : agricultural-livestock pests.**

Metro-Pest Management Consultants, Inc; Colorado. Division of Plant Industry.

[Denver, Colo.] : Colorado Dept. of Agriculture, Division of Plant Industry, [1980]. 37, [3] p. : ill. ; 28 cm.

*Place of publication:* Colorado. *Language:* English.

*Descriptors:* PATC industrial pest control; PATC institutional, structural pest control; PATC vertebrate pest

*Abstract:* This Colorado study guide/manual contains the educational information needed by the commercial pesticide applicator to pass the written state certification examination in outdoor vertebrate pest control. The study guide focuses on vertebrates but excludes rats and mice. Control strategies developed for each pest include habitat manipulation, behavioral manipulation, and population reduction. The common pests discussed include bats, birds, moles, gophers, skunks, rabbits, squirrels, porcupines, prairie dogs, coyote, racoons, deer and snakes. Indexed toxicants (avicides and rodenticides) and fumigants--their use, history, characteristics, pharmacology, toxicity, and first aid



## PATC institutional, structural pest control

treatment--are discussed. Colorado State Extension Service Offices' addresses and the Rocky Mountain Poison Control Center toll free telephone number are listed.

*NAL Call No.:* SF810.A3P47

### **Pesticide application and safety training study guide : household pest control.**

Colorado. Division of Plant Industry.; Metro-Pest Management Consultants.

[Denver, Colo.] : Division of Plant Industry, [1981]. 76 p. : ill. ; 28 cm.

*Place of publication:* Colorado. *Language:* English.

*Descriptors:* PATC institutional, structural pest control

*Abstract:* This Colorado study guide/manual contains the educational information needed by the pesticide applicator to pass the written and oral state licensing examination in the household pest control category. Basic management strategies, pest identification, treatment selection, chemical and nonchemical control options, and prevention techniques are addressed. Safety precautions are discussed. Common indoor pests covered in this manual are cockroaches, moths, beetles, silverfish, firebrats, crickets, fleas, boxelder bugs, fleas, flies, bedbugs, mites, ants, stinging insects, spiders, scorpions, centipedes, millipedes, sowbugs, pillbugs, mice and rats. Charts to help identify cockroach egg cases, rodent and cockroach droppings and other pest identifying characteristics are included at the end of the manual.

*NAL Call No.:* TX325.P47

### **Pesticide applicator training : [category 7].**

Purdue University.

[West Lafayette, Ind.] : Purdue University, [1988-]. v. : ill. (some col.), maps ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC right-of-way pest control; PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control; PATC fumigation

*Abstract:* Five manuals cover the six divisions of Pesticide Applicator Training Category 7. Four manuals prepare commercial pesticide applicators for certification. One manual (7bRT) prepares wood destroying organism technicians for registration. This broad category encompasses the identification and control of industrial, institutional, and health related pests, wood destroying pests, stored food, and common household pests. Pesticide selection, labels, safety, protective equipment, application, calibration, fumigation, toxicity and environmental protection are discussed.

*NAL Call No.:* SB951.P4629

### **Pesticide applicator training : [public health pest control].**

Purdue University.

[West Lafayette, Ind.] : Purdue University, [1988?]. 1 v. (various pagings) : ill. (some col.) ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC industrial pest control; PATC public health pest control

*Abstract:* Intended for commercial pesticide applicator training, this manual provides information on the major public health pests and nonchemical and chemical methods to control them. It studies the life cycles and habitats of these pest insects, mites, ticks, spiders, and vertebrates and how they transmit diseases. Equipment calibration, and environmental concerns, specifically controlling pesticide drift and minimizing harmful effects of pest control on the environment are covered.

*NAL Call No.:* SB951.P463

### **Pesticide applicator training : [wood preservative pest control].**

Purdue University.

[West Lafayette, Ind.?] : Purdue University, [198-?]. 1 v. (various pagings) : ill. ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC institutional, structural pest control; PATC stored, processed, manufactured product pest con-



## PATC institutional, structural pest control

trol

**Abstract:** This wood preservatives pest control manual includes in-depth materials on wood preservation and wood products treatment, pesticide label interpretation, toxicity, protective equipment, disposal, safety, and on the Indiana Pesticide Use and Application Law. It contains thorough discussions of the wood preservatives CREOSOTE, tar products, pentachlorophenol, and inorganic arsenals. Material Safety Data Sheets (MSDS) and specimen labels are provided on POL-NU PAK, OSMOSE, Wolmanac Concentrate 50% and CREOSOTE OIL. Glossaries appear throughout the materials.

*NAL Call No.:* SB951.P4634

### **Pesticide study questions : pesticide training manual.**

Wilson, John H.  
North Carolina Agricultural Extension Service.  
Raleigh, N.C. : North Carolina Agricultural Extension Service, [1986?]. 80 p. ; 28 cm.

*Place of publication:* North Carolina. *Language:* English.

**Descriptors:** PATC private core training; PATC commercial core training; PATC institutional, structural pest control; PATC pesticide dealers and distributors

**Abstract:** This handbook is a self-study guide containing sample and review questions for pesticide applicators preparing for their certification examination in the state of North Carolina or for structural pest control certification.

*NAL Call No.:* SB950.73.U52N8

### **Pesticides for household and structural pests.**

Ohio State University. Cooperative Extension Service. Rev. 2/89.  
[Columbus, Ohio] : Ohio Cooperative Extension Service, Ohio State University, [1989]. 20 p. : ill. ; 28 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 512.

*Place of publication:* Ohio. *Language:* English.

**Descriptors:** PATC institutional, structural pest

control; PATC general public and homeowners

**Abstract:** Used in commercial applicator training, this manual has been prepared to inform the homeowner how to safely and effectively use household pesticides and to help the homeowner decide when to consult a pest control operator. Pest identification and control, pesticide labels and labelling, and toxicity are discussed. Includes extensive table of control measures for household and structural pests, pesticide names and LD values table, dilutions table and Poison Information Centers.

*NAL Call No.:* 275.29 OH32 no.512 1989

### **Preventing termite damage.**

Johnson, Donald R.  
[Little Rock, Ark.?] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture and County Governments Cooperating, [1989]. -- EL (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 314.

*Place of publication:* Arkansas. *Language:* English.

**Descriptors:** PATC wood destroying organisms; PATC institutional, structural pest control

**Abstract:** This pamphlet is written for those concerned with possible termite damage, building contractors and pesticide applicators. It discusses soil treatment chemicals that can be used prior to construction as well as treatment possibilities for infested conventional and slab constructed buildings. Recommendations for prevention include the use of treated lumber in the state of Arkansas.

*NAL Call No.:* 279.29 Ar4Le no.314

### **Public health pest control.**

Jones, Flernoy.  
University of Missouri--Columbia. University Extension. [Rev.].  
Columbia, Mo. : University Extension, University of Missouri, [1989]. 1 v. (various pagings) : ill. (some col.) ; 28 cm. -- Manual (University of Missouri--Columbia. University Extension) ; 98.

*Place of publication:* Missouri. *Language:* English.

**Descriptors:** PATC institutional, structural pest control; PATC public health pest control

## PATC institutional, structural pest control

*Abstract:* This manual, intended to prepare an applicant for the public health pest control commercial applicators licensing examination in the state of Missouri, examines methods of treatment and control of vertebrate pests, including, bats, birds, rodents, fish and other animals; and, insect pests such as mosquitoes, flies, bed bugs, lice, cockroaches, ticks, chiggers, and mites. Color photographs of insects aid in identification.

*NAL Call No.:* SB950.2.M8P8 1989

### **Recertification manual for commercial pesticide applicators : indoor pest control, categories 7a, 7b, 7c, 7d, 8.**

Landis, Joy Neumann; Olsen, Larry G.; Strickler, Karen L.

Michigan State University. Cooperative Extension Service.

East Lansing, Mich. : Michigan State University, Cooperative Extension Service, [1989]. 46 p. ; 28 cm. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; E-2171.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC institutional, structural pest control; PATC recertification

*Abstract:* This manual is designed as a study guide for those commercial pesticide applicators renewing their indoor pest control license. The guide is divided into ten parts; four covering the identification and management of pests and six covering pesticide use, toxicity, labelling, application, safety precautions, federal and state laws and regulations. Review questions follow each chapter. Pesticide emergency information guide with poison control center phone numbers is included.

*NAL Call No.:* 275.29 M58B no.2171

### **Service technician's manual.**

National Pest Control Association. Education Committee. Rev. 1986.

Dunn Loring, Va. : The Association, 1986. vii, 154 p. : ill. ; 23 cm.

*Place of publication:* Virginia. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product

pest control; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* The National Pest Control Association Service Technician's Manual is intended to serve as both an orientation manual and field reference manual. Major topics covered are: the basic steps of pest control; federal laws and regulations affecting structural pest control; the pesticide label; pesticides and how to use them safely and effectively; vertebrate, insect and related pests; insect control equipment; safety and environmental concerns. The manual contains chapter review questions, emergency first-aid measures for poisoning, and illustrations accompanying insect descriptions.

*NAL Call No.:* SB951.S47 1986

### **Small animal control manual.**

[Cheyenne, Wyo.? : Wyoming Dept. of Agriculture, 1989?]. 43 p. ; 28 cm.

*Place of publication:* Wyoming. *Language:* English.

*Descriptors:* PATC institutional, structural pest control; PATC vertebrate pest

*Abstract:* The primary purpose of this Wyoming state manual is to provide information to persons interested in becoming certified private or commercial applicators of pesticides used in rodent control. Background information, including descriptions of pesticide treated grain, rodent baits, strychnine, zinc phosphide, anti-coagulants, aluminum phosphide, magnesium phosphine, and gas cartridges include toxicity levels for various species. Control strategies include exclusion, repellent use, trapping or shooting as well as the chemical methods described.

*NAL Call No.:* SB994.R6S62

### **Structural pest control : category 7E.**

Henderson, F. Robert; Bertholf, Judy; McKinzie, Steven.

Kansas State University. Cooperative Extension Service.

Manhattan, Kan. : Cooperative Extension Service, Kansas State University, [1986]. 58 p. : ill. ; 28 cm.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC institutional, structural pest



## PATC institutional, structural pest control

control

*Abstract:* This manual, intended for preparation for certification, covers the biology and control of structural pests not including termites and integrated pest management in structures. It contains practice multiple choice study questions.

*NAL Call No.:* SB955.H4 1986

### Structural pest management.

Cink, James H.; Harein, Phillip K.

St. Paul, Minn. : Dept. of Entomology, Minnesota Extension Service, University of Minnesota, [1989]. 1 v. (various pagings) : ill. ; 28 cm. + 4 sheets.

*Place of publication:* Minnesota. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* Developed as a guide for training Structural Pest Control Operators (PCOs), this manual is designed to assist PCOs in solving pest problems and preparing for state certification. Insects and related arthropods and their control; rodents and their control; pest bird management; other pest animals; and weeds are covered. Pesticides, formulations, laws and regulations including the Minnesota Pesticide Control Law of 1976, labels, toxicity, human and environmental protection, application equipment, calibration, fumigants, and fumigation are discussed. Contains a glossary, multiple choice study questions and answers, and pictorial keys.

*NAL Call No.:* SB950.2.M6S77

### [Study materials for pesticide applicator certification].

Connecticut. Dept. of Environmental Protection. Hartford, Conn. : State of Connecticut, Dept. of Environmental Protection, [1990?]. 1 v. : ill. ; 28 cm.

*Place of publication:* Connecticut. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC institutional, structural pest control; PATC forest pest control;

PATC fumigation; PATC anti-fouling paint pest control

*Abstract:* Information for commercial supervisory or operational license applicants, procedures for taking examinations, and categorical lists of helpful materials to use in preparing for pesticide applicator certification examinations in Connecticut are included in this packet.

*NAL Call No.:* SB952.86.S7

### Termite and wood destroying insects, category 7B.

Alm, Steven R.; Siligato, Peggy.

Kingston, R.I. : University of Rhode Island, Cooperative Extension, College of Resource Development, [1991]. 1 v. (unpaged) ; 28 cm.

*Place of publication:* Rhode Island. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC institutional, structural pest control

*Abstract:* Designed to prepare commercial applicators for certification in termite and wood destroying insect pest control in Rhode Island, this study packet contains lists of: suggested references; commonly used pesticides, common structural insects and vertebrate pests and their chemical and non-chemical controls, and equipment which these applicators should be familiar with; subject areas they should be proficient in; and continuing education resources. Termiticide information, sample labels and Material Safety Data Sheets are provided.

*NAL Call No.:* SB945.T45T38

### Termite control : category 7B : a guide for commercial pesticide applicators.

Lewis, Donald R.

Iowa State University. Cooperative Extension Service. Rev.

Ames, Iowa : Cooperative Extension Service, Iowa State University, 1987. 21 p. : ill. ; 28 cm.

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC institutional, structural pest control



## PATC institutional, structural pest control

*Abstract:* This commercial applicator certification training manual which supplements the Iowa Core Manual, IC-445, contains information on wood preservatives, wood destroying organisms these chemicals protect against and control, safe application procedures for wood preservative use, protective clothing, protecting treated-wood consumers and the environment. Includes sample wood preservative labels, Material Safety Data Sheets (MSDS), consumer awareness program consumer information sheets, list of acceptable protective equipment, and a glossary.

*NAL Call No.:* SB945.T45S7 1987

**Termite control : practices & procedures.**  
Velsicol Chemical Corp; Plaid Communications (Firm).

[Illinois?] : Velsicol Chemical Corporation, 1987. 1 videocassette (39 min., 57 sec.) : sd., col. ; 1/2 in.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC institutional, structural pest control; PATC private sector produced material

*Abstract:* This training videocassette for termite control pesticide applicators examines safe procedures and practices for applying termiticides. It explains recommended application rates and methods. A comprehensive picture of the termite controller's responsibilities is provided. These responsibilities entail understanding labels, wearing protective clothing, handling pesticides properly, preventing water contamination, and complying with regulations. Methods for treating concrete slab structures and buildings with crawl space for termites and pre-construction termite control are discussed. [Note: chlordane is no longer available for use].

*NAL Call No.:* Videocassette no.910

**Termite pest control including other wood-damaging pests, manual 96.**

Sanders, Darryl.

Rev. August 1987.

Columbia, Mo. : University Extension, University of Missouri, 1987. 1 v. (various pagings) : ill. ; 28 cm.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC institutional, structural pest control

*Abstract:* This manual is intended to convey the information needed to pass the termite pest control examination for licensing commercial pesticide applicators in Missouri. The primary focus is on termites and termite control but other wood damaging pests, including beetles, carpenter ants, carpenter bees, and wood decay fungi are included. Cross reference charts to aid in identification of pests by the type of damage caused and treatments are provided. Agricultural guides on termites, wood-damaging beetles, carpenter ants and carpenter bees supplement the manual.

*NAL Call No.:* SB950.2.M8T47 1987

**Termites : conditions conducive to infestation.**

Granovsky, Theodore Alexander, 1945-.

Granovsky Associates, Inc.

[Bryan, Tex.] : Granovsky Associates, 1988. 1 videocassette (51 min.) : sd., col. ; 1/2 in. + 1 workbook (32 p.) + 2 books + 1 folded sheet.

*Place of publication:* Texas. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC institutional, structural pest control; PATC private sector produced material

*Abstract:* Designed for pest control technicians, this videotape, accompanying workbook, and publications, discuss various conditions conducive to termite infestations. The training program covers problem areas of different construction styles and demonstrates ways termites enter structures and how to inspect for their presence. It reviews equipment used to conduct an inspection. The workbook contains a glossary, line drawings of construction types, and section sentence completion and true and false quizzes with answers.

*NAL Call No.:* Videocassette no.914

**Training material for commercial/non-commercial pesticide applicators. 7b, Structural pest control.**

Oklahoma State University. Cooperative Extension Service.

## PATC institutional, structural pest control

[Stillwater, Okla. : Cooperative Extension Service, Oklahoma State University, 1987]. 1 portfolio : ill. ; 34 cm.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC institutional, structural pest control

*Abstract:* This training packet includes information and publications on application methods and calculations, formulation ratios, and specific product specifications.

*NAL Call No.:* SB950.2.O5T73

### **Two common rodent problems, the Norway Rat and the House Mouse.**

National Pest Control Association.

[S.l. : s.n, 1985]. p. 10-12 p. : ill. ; 28 cm.

*Place of publication:* Unknown. *Language:* English.

*Descriptors:* PATC institutional, structural pest control

*Abstract:* This Rodent Reference Chart compiled by the National Pest Control Association Vertebrate Control Committee lists data on the description, biology, habits, signs, and damage of the Norway Rat and the House Mouse.

*NAL Call No.:* RA641.R6T8

### **Van Waters & Rogers Pest control library.**

Ehmann, Norman; Cherubini, Paul.

San Mateo, Calif. : Van Waters & Rogers, [197?-]. v. : ill. ; 28 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC wood destroying organisms; PATC regulatory pest control; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* Designed for pest control business owners, managers, and service technicians, these reference manuals provide information on the biology and control of common structural pests.

Volume I Structural Pest Control Act and Volume XI Pesticides and Pesticide Safety contain valuable information for all pest controllers. True and false and/or multiple choice quizzes with answers reinforce material covered in each manual. A few manuals have glossaries.

*NAL Call No.:* SB950.V3

## PATC non-certified applicator

**Agricultural chemical toxicity to select aquatic animals : bluegill, channel catfish, rainbow trout, crawfish, and freshwater shrimp.**

Morgan, Edna Ruth.

[Mississippi State, Miss.?] : Cooperative Extension Service, Mississippi State University, [1989?]. 22 p. ; 28 cm. -- Publication (Mississippi State University. Cooperative Extension Service) ; 1455.

*Place of publication:* Mississippi. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Gives toxicity of many agricultural chemicals to 5 aquatic species: bluegill, channel catfish, rainbow trout, crawfish, and freshwater shrimp. Also gives tips for safe application of agricultural chemicals near fish ponds, and describes Mississippi fish kill reporting procedures. For growers, certified applicators, non-certified applicators, and fishery managers.

*NAL Call No.:* 275.29 M68Ext no.1455

## Agricultural pesticide storage.

Nesheim, O. Norman.

Rev.

[Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, [1987]. -- OSU extension facts ; no. 7451.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Covers safety precautions for pesticide storage including construction directions for new storage areas, pesticide shelf life, and spill cleanup. For growers, certified applicators and non-certified applicators.

*NAL Call No.:* S544.3.O5O5 no.7451 1987

## Always wear the right stuff : personal pesticide protection.

Coffman, Charlotte.

Cornell Cooperative Extension.

Ithaca, N.Y. : Cornell Cooperative Extension, [1990]. 77 slides : col. + 1 sound cassette and 1 script.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* This Cornell Cooperative Extension slide/script/cassette program is designed to help pesticide applicators, handlers and users properly protect themselves from accidental exposure. Types of protective clothing and equipment as well as laundering and care recommendations, safe hygiene habits and spray equipment are discussed. The importance of selecting appropriate protective clothing for the job based on risk of exposure; pesticide toxicity, formulation, and route of entry; and the environment is emphasized. The accompanying brochure concisely summarizes types of personal protective clothing including nonwoven, woven and specialized protective suits and respirators, and hygiene practices.

*NAL Call No.:* Slide no.351

## Check your pesticide labels.

Nesheim, O. Norman.

[Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, [1986]. -- OSU extension facts ; no. 7454.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Explains how to read and interpret directions on pesticide labels. For certified applicators and non-certified applicators.

*NAL Call No.:* S544.3.O5O5 no.7454

## Chemigation calibration.

Nebraska Cooperative Extension Service.

[Lincoln, Neb.?] : The Service, [198-?]. 80 slides :



## PATC non-certified applicator

col. + 1 sound cassette (15 min., 20 sec.) + 1 script (20 p.).

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC non-certified applicator

*Abstract:* Covers the importance of equipment calibration and gives step-by-step instructions for calibrating through a center pivot system. Follows Nebraska manual "Using Chemigation Safely and Effectively". Includes script book with photos of slides as well as synchronized tape. For growers, certified and non-certified applicators.

*NAL Call No.:* Slide no.349

### **Chemigation equipment.**

Nebraska Cooperative Extension Service. [Lincoln, Neb.] : The Service, [198-?]. 75 slides : col. + 1 sound cassette (12 min., 15 sec.) + 1 script (19 p.).

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC chemigation; PATC non-certified applicator

*Abstract:* Covers how to set up, run, and maintain irrigation equipment for chemigation using proper safety and antipollution devices to prevent contamination of surface or groundwater. Specific measures to prevent backflow into the water supply, tank overflow, mechanical or electrical failure, or pump shutdown are covered. Includes script book with photos of slides. For growers, certified applicators and non-certified applicators.

*NAL Call No.:* Slide no.350

### **Closed systems for handling liquid pesticides : improved safety for pesticide applicators.**

New York State College of Agriculture and Life Sciences. Dept. of Entomology; Cornell University. Media Services; Cornell University. Audio-Visual Resource Center. Ithaca, N.Y. : Cornell University AV Center, 1985. 71 slides : col. + 1 sound cassette (17 min. : analog) + 1 script.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* This audiovisual safety training program for pesticide applicators describes the operation and the advantage of a closed system for handling liquid pesticides. It covers proper selection of equipment based on needs assessment; system components of gravity feed and vacuum systems; equipment maintenance and repair; and safety precautions.

*NAL Call No.:* Slide no.285

### **Disposal of pesticides and pesticide containers.**

Wilson, John H 1933-; McClelland, W. T. North Carolina Agricultural Extension Service. Rev. Raleigh, N.C. : N.C. Agricultural Extension Service, [1988]. 1 folded sheet (12 p.) : ill. ; 22 x 10 cm.

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC non-certified applicator

*Abstract:* Covers procedures for disposal of pesticides and pesticide containers. Information on North Carolina Disposal Assistance Program. For growers, certified applicators, non-certified applicators, and the general public.

*NAL Call No.:* TD196.P38W5 1988

### **El Entrenamiento de los trabajadores del invernadero sobre el uso de los pesticidas.**

Zavala, Melanie. University of California, Davis. Visual Media; University of California, Davis. Office of Pesticide Information and Coordination. Davis, [Calif.] : University of California, Davis, Visual Media, c1986. 1 videocassette (16 min.) : sd., col. ; 1/2 in.

*Place of publication:* California. *Language:* Spanish.

*Descriptors:* PATC private core training; PATC

## PATC non-certified applicator

commercial core training; PATC non-certified applicator; PATC ornamental, turf pest control

*Abstract:* This video is aimed at non-certified pesticide applicators. It is designed to provide them with part of the training they need in order to handle pesticides safely. The video can also be of use for greenhouse workers who have only indirect exposure to pesticides. The presentation covers entry of pesticides into the body, poisoning symptoms, protective clothing and equipment, emergency procedures, and common sense protective measures. It also discusses some of the potential dangers of pesticide use in a greenhouse situation and how they can be avoided. This video was developed under a grant from the U.S. EPA.

*NAL Call No.:* Videocassette no.674

### **First aid for pesticide poisoning.**

Criswell, Jim T.

[Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, [1989]. -- OSU extension facts ; no. 7453.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Covers label reading, symptoms of poisoning, cholinesterase tests, first aid for poisoning, and specific antidotes. For certified applicators, agricultural workers, non-certified applicators, the general public and health providers.

*NAL Call No.:* S544.3.O5O5 no.7453

### **Florida's pesticide law & rules : a summary for applicators.**

Florida. Dept. of Agriculture and Consumer Services.

Tallahassee, Fla. : The Dept, [1988?]. 1 folded sheet (8 p.) ; 22 cm.

*Place of publication:* Florida. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Brief summary of laws and rules for Florida that pertain to licensed restricted use pesticide applicators. For growers, certified applicators, and non-certified applicators.

*NAL Call No.:* SB952.863.F6F5

### **Guidebook to pesticides : regulation, registration & resource directory.**

Bond, Janet.

Massachusetts. Dept. of Food and Agriculture.

[Boston, Mass.] : Dept. of Food and Agriculture, [1987]. x, 44 p. : ill. ; 28 cm.

*Place of publication:* Massachusetts. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Covers federal and Massachusetts pesticide regulations, how to read labels, pesticide safety tips, and gives resource numbers for Massachusetts. Some pest control information also. For growers, certified applicators and non-certified applicators.

*NAL Call No.:* KFM2780.P4A82

### **Guidelines for insecticide use.**

Rodriguez, L. D.

Rev.

Lexington, Ky. : University of Kentucky, College of Agriculture, Cooperative Extension Service, Dept. of Entomology, 1987. -- ENT (University of Kentucky. Cooperative Extension Service) ; no. 48.

*Place of publication:* Kentucky. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Covers pesticide selection, transport, storage, use precautions, spill cleanup, protective equipment selection, laundering of contaminated clothing, poisoning symptoms, first aid, container disposal, bee protection, and sprayer calibration. For certified applicators, non-certified applicators and growers.



## PATC non-certified applicator

*NAL Call No.:* 275.29 K415E no.48 1987

### **How to use your right to know chemical hazards : a guide to the new hazard communication standards.**

McAteer, J. Davitt; Lawson, Dale.

Occupational Safety and Health Law Center. 1st ed.

Washington, D.C. : Occupational Safety and Health Law Center ; Pilgrim Press, [1986].

[New York, N.Y.] 75 p. ; 20 cm.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* This book describes in detail the Hazard Communication Standard in language easily understood by worker, grower, or applicator. It simplifies the federal requirement and systematically reviews the standard and its requirements. For agricultural workers, growers, certified applicators, non-certified applicators, and the general public.

*NAL Call No.:* T55.3.H3M3 1986

### **Information for fire fighters on pesticide fires.**

University of Massachusetts at Amherst. Cooperative Extension.

[Amherst, Mass.?] : University of Massachusetts, Cooperative Extension, U.S. Dept. of Agriculture and Massachusetts counties cooperating, [1986?]. [2] p. ; 28 cm. -- L (University of Massachusetts at Amherst. Cooperative Extension) ; 244.

*Place of publication:* Massachusetts. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Covers usual pesticide storage locations, hazards of combustion and explosion, and protective measures used to avoid illness or injury while fighting a pesticide fire and to prevent causing environmental damage afterwards. Reference telephone numbers for Massachusetts provided. For

agricultural workers, growers, certified applicators, non-certified applicators and firefighters.

*NAL Call No.:* TH9446.H3815

### **The Massachusetts "Right-to-Know Law" and the pesticide applicator.**

Van Driesche, Roy.

University of Massachusetts (Amherst campus). Cooperative Extension Service.

[Amherst, Mass.?] : Cooperative Extension Service, University of Massachusetts, U.S. Dept. of Agriculture and County Extension Services cooperating, [1985]. [2] p. ; 28 cm. -- L (University of Massachusetts (Amherst campus). Cooperative Extension Services) ; 357.

*Place of publication:* Massachusetts. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Explains responsibilities of employers who use pesticides to: maintain MSDS files, label pesticide containers, and to train employees. Includes list of pesticides to which the Right-to-Know Act applies. For growers, certified applicators, non-certified applicators and employers of pesticide handlers.

*NAL Call No.:* SB950.2.M4V3

### **Names, manufacturers, & toxicities of pesticides.**

Morgan, Edna Ruth.

[Mississippi State, Miss.] : Cooperative Extension Service, Mississippi State University, [1987?]. 32 p. ; 28 cm. -- Publication (Mississippi State University. Cooperative Extension Service) ; 1219.

*Place of publication:* Mississippi. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Cross referenced listing of selected pesticides, pests they should control, producers, and oral and dermal acute toxicity (LD50) and national



## PATC non-certified applicator

and Mississippi emergency numbers. For agricultural workers, growers, certified applicators, non-certified applicators, and the general public.

*NAL Call No.:* 275.29 M68Ext no.1219

### North Carolina pesticide laws and regulations.

Wilson, John H. 1933-.

North Carolina. Dept. of Agriculture; North Carolina Agricultural Extension Service. Rev. July, 1989.

[Raleigh, N.C.] : N.C. Dept. of Agriculture and N.C. Agricultural Extension Service, [1989]. 119 p. : ill. ; 28 cm.

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC pesticide dealers and distributors; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Covers North Carolina laws regulating use of restricted pesticides, pesticide handling and disposal, and applicator licensing. For agricultural workers, growers, certified applicators, and non-certified applicators.

*NAL Call No.:* KFN7780.P4A82 1989

### Persistence and mobility of pesticides in soil and water.

McBride, Dean K; Peterson, Dallas E.; Lamey, H. Arthur.

Fargo, N.D. : NDSU Extension Service, North Dakota State University, [1988]. 7 p. ; 28 cm. -- Extension bulletin (NDSU Extension Service) ; no. 49.

*Place of publication:* North Dakota. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Provides information on factors involved in pesticide movement to groundwater. Includes charts rating persistence and mobility of certain pesticides in soil. For agricultural workers,

growers, certified applicators, non-certified applicators and the general public.

*NAL Call No.:* S544.3.N9N6 no.49

### Pesticide safety for non-certified mixers, loaders, and applicators : Uso seguro de pesticidas para mezcladores, cargadores, y aplicadores no certificados.

University of Florida. Institute of Food and Agricultural Sciences; United States. Environmental Protection Agency.

Gainesville, Fla. : IFAS ; U.S. Environmental Protection Agency, [198-?].

Washington, D.C. 1 videocassette (60 min.) : sd., col. ; 1/2 in. + 1 script + 1 English language leader's guide + 1 Spanish language leader's guide + 3 sample label cards + 33 flash cards.

*Place of publication:* Florida. *Language:* English and Spanish.

*Descriptors:* PATC non-certified applicator

*Abstract:* Series of three slide/tape shows on video. Part 1, "Formulations, Label, and Protective Clothing" discusses special hazards of different pesticide formulations, types of protective equipment and purpose of reentry intervals. Part 2, discusses "Safety Measures for Mixing/Loading or Application". Part 3, "Pesticide Disposal and Transportation" discusses aspects of safe transportation and storage, methods of disposal, poisoning symptoms and first aid. Supplemented by leader's guide in English and Spanish and accompanying flashcards. For growers and non-certified applicators.

*NAL Call No.:* Videocassette no.912

### Pesticide safety for non-certified mixers, loaders and applicators : Uso seguro de pesticidas para mezcladores, cargadores y aplicadores no certificados.

Poli, Bonnie; Fluker, Sam S.

United States. Environmental Protection Agency. Washington, D.C. : U.S. Environmental Protection Agency, Office of Pesticide Programs, [1986]. 31 p. : ill. ; 28 cm.

*Place of publication:* District of Columbia. *Language:* English and Spanish.

## PATC non-certified applicator

*Descriptors:* PATC non-certified applicator

*Abstract:* Booklet with many graphics covers how to read a pesticide label, toxicity classes, "restricted use", re-entry periods, routes of exposure, selection of protective clothing, general use precautions, symptoms recognition and first aid. For growers and non-certified applicators.

*NAL Call No.:* SB952.5.P65

### **Pesticides : how they work, personal safety and emergency measures.**

Osmun, John V.; Hollingworth, Robert M., 1939-Purdue University. Cooperative Extension Service. Rev. 7/89.

West Lafayette, Ind. : Purdue University Cooperative Extension Service, 1989. 16 p. : ill. ; 28 cm. -- E (Purdue University. Cooperative Extension Service) ; 62.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Discusses principles of pesticide toxicity, hazards and routes of exposure. Also covers pesticide poisoning symptoms, first aid and safety tips. For agricultural workers, growers, certified applicators, non-certified applicators and the general public.

*NAL Call No.:* SB844.I6P8 no.62 1989

### **Prevention and treatment of pesticide poisoning.**

Jennings, Bringle; Fant, Charlotte Mills.

[Rev.].

[Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, 1989. -- MP (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 198.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Covers first aid and emergency response for pesticide poisoning including preparation of appropriate first aid kits. Includes Arkansas Poison Control Center numbers. For agricultural workers, growers, certified applicators, non-certified applicators, and the general public.

*NAL Call No.:* 275.29 Ar4Mi no.198 1989

### **Protecting water, protecting crops : pesticides and water quality.**

North Carolina Agricultural Extension Service; North Carolina State University. National version.

Raleigh, N.C. : North Carolina State University : North Carolina Agricultural Extension Service, [1987?]. 1 videocassette (23 min.) : sd., col. ; 1/2 in. + 1 summary fact sheet.

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Covers how pesticides enter the water supply through drift, evaporation, runoff, leaching, improper disposal, and chemigation. Highlights practical actions to prevent contamination including integrated pest management. Includes national groundwater vulnerability map and pinpoints a dozen pesticides of greatest concern as groundwater contaminants. Video for certified applicators, non-certified applicators and growers.

*NAL Call No.:* Videocassette no.915

### **Restricted use pesticides.**

9th ed.

Mississippi State, Miss. : Extension Service, Mississippi State University, 1989]. -- Publication (Mississippi State University. Cooperative Extension Service) ; 1222.

*Place of publication:* Mississippi. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Lists restricted use pesticides available in



## PATC non-certified applicator

Mississippi giving reasons why each pesticide is restricted. Includes cross reference of common and commercial pesticide names and instruction on how to become a private or commercial certified applicator in Mississippi. For growers, certified applicators, and non-certified applicators.

*NAL Call No.:* 275.29 M68Ext no.1222 1989

### Safe handling of pesticides.

Zavala, Melanie.  
University of California, Davis. Visual Media.  
Davis, Calif. : Visual Media, [1984?]. 115 slides : col. + 1 sound cassette (15 min.) + 1 script (21 l. ; 28 cm.).

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator; PATC plant agricultural pest

*Abstract:* This slide/tape set is aimed at the non-certified pesticide applicator, and also has information of value for the fieldworker who is exposed only indirectly to pesticides. The topics covered include modes of entry of pesticides into the body, poisoning symptoms, first aid procedures, protective clothing, common sense ways of avoiding exposure and personal hygiene. Although the slide set reflects California regulations to a certain extent, it has general information of relevance to all pesticide users.

*NAL Call No.:* Slide no.294

### Safety and clean up tips.

University of Massachusetts (Amherst campus). Cooperative Extension Service.  
[Amherst, Mass.?] : Cooperative Extension Service, University of Massachusetts, U.S. Dept. of Agriculture and County Extension Services cooperating, [1985?]. 1 sheet ; 28 cm. -- L (University of Massachusetts (Amherst campus). Cooperative Extension Services) ; 235.

*Place of publication:* Massachusetts. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC non-certified applicator

*Abstract:* Single sheet provides safety tips for use

of pesticides and cleanup of spills around the home. Gives numbers for Massachusetts Poison Information Center. For growers, certified applicators, non-certified applicators and the general public.

*NAL Call No.:* SB952.5.S325

### Spray equipment and calibration.

Karsky, Tom.  
Moscow, Idaho : Cooperative Extension Service, University of Idaho, College of Agriculture, 1986. -- Bulletin (University of Idaho. Cooperative Extension Service) ; no. 658.

*Place of publication:* Idaho. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Information on various spray equipment components and calibration procedures that can be used for application equipment. Drift prevention and container disposal covered. For growers, certified applicators, and non-certified applicators.

*NAL Call No.:* 100 Id14 no.658

### Toxicity of pesticides.

Criswell, Jim T.  
Rev.  
[Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, 1989. -- OSU extension facts ; no. 7457.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Gives information on how pesticides enter the body, and acute and chronic toxicity information including tables of LD50s. For growers, certified applicators, and non-certified applicators.

*NAL Call No.:* S544.3.O5O5 no.7457 1989

### Training greenhouse workers to handle pesticides safely.

Zavala, Melanie.



## PATC non-certified applicator

University of California, Davis. Visual Media; University of California, Davis. Office of Pesticide Information and Coordination.

[Davis, Calif.] : Visual Media, Division of Agriculture and Natural Resources, University of California, Davis, c1986. 1 videocassette (16 min.) : sd., col. ; 1/2 in.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC agricultural worker; PATC non-certified applicator; PATC ornamental, turf pest control

*Abstract:* This video is aimed at non-certified pesticide applicators and is designed to provide them with part of the training they need in order to handle pesticides safely. The video can also be of use for greenhouse workers who have only indirect exposure to pesticides. The presentation covers entry of pesticides into the body, poisoning symptoms, protective clothing and equipment, emergency procedures, and common sense protective measures. It also discusses some of the potential dangers of pesticide use in a greenhouse situation and how they can be avoided. This video was developed under a grant from the U.S. Environmental Protection Agency.

*NAL Call No.:* Videocassette no.362

### Training greenhouse workers to handle pesticides safely (Japanese ed.)

Zavala, Melanie; Singleton, Robert.

University of California, Davis. Visual Media.

[Davis, Calif.] : Visual Media, Division of Agriculture and Natural Resources, University of California, Davis, [1986]. 1 videocassette (VHS) (16 min.) : sd., col. ; 1/2 in.

*Place of publication:* California. *Language:* English, Japanese.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator; PATC ornamental, turf pest control; PATC agricultural worker

*Abstract:* This video is aimed at non-certified pesticide applicators. It is designed to provide them with part of the training they need in order to handle pesticides safely. The video can also be of use for greenhouse workers who have only indirect

exposure to pesticides. The presentation covers entry of pesticides into the body, poisoning symptoms, protective clothing and equipment, emergency procedures, and common sense protective measures. It also discusses some of the potential dangers of pesticide use in a greenhouse situation and how they can be avoided. This video was developed under a grant from the U.S. EPA.

*NAL Call No.:* Videocassette no. 677

### El Uso seguro de los pesticidas.

Zavala, Melanie.

University of California, Davis. Visual Media.

Davis, Calif. : Visual Media, [1984?]. 115 slides : col. + 1 sound cassette (15 min.) + script (21 l. ; 28 cm.).

*Place of publication:* California. *Language:* Spanish.

*Descriptors:* PATC private core training; PATC commercial core training; PATC plant agricultural pest; PATC non-certified applicator

*Abstract:* This slide/tape set is aimed at the non-certified pesticide applicator and also has information of value for the fieldworker who is exposed only indirectly to pesticides. The topics covered include modes of entry of pesticides into the body, poisoning symptoms, first aid procedures, protective clothing, common sense ways of avoiding exposure and personal hygiene. Although the slide set reflects California regulations to a certain extent, it has general information of relevance to all pesticide users.

*NAL Call No.:* Slide no.295

### Work smart-- work safely-- with farm chemicals : Trabajo concientemente--trabaje con cautela-- cuando trabaje con productos químicos para la agricultura.

National Agricultural Chemicals Association.

Washington, D.C. : National Agricultural Chemicals Association, [1985?]. 1 v. (unpaged) : ill. ; 22 cm.

*Place of publication:* District of Columbia. *Language:* English and Spanish.

*Descriptors:* PATC agricultural worker; PATC non-certified applicator; PATC private core training

## PATC non-certified applicator

*Abstract:* This English/Spanish booklet prepared by NACA briefly outlines and illustrates do's and don'ts for working with farm chemicals in the field. It covers safety tips for field workers and their families and for handling exposure to pesticides.

*NAL Call No.:* S585.8.W6

## PATC ornamental, turf pest control

### PATC ornamental, turf pest control

#### **The 1/128th of an acre calibration method broadcast spraying.**

University of Florida. Institute of Food and Agricultural Sciences.

[Gainesville, Fla. : IFAS, University of Florida, 1987?]. 1 portfolio : ill. ; 28 cm.

*Place of publication:* Florida. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC demonstration, research

*Abstract:* Florida's pesticide applicator calibration training program on the 1/128th of an acre method includes lecture notes, overhead masters, worksheets and a fact sheet with calibration formulas, problems and solutions.

*NAL Call No.:* SB953.O5

#### **1990 chemical weed control for commercial turf.**

[Auburn, Ala.] : Alabama Cooperative Extension Service, Auburn University, 1990.

*Place of publication:* Alabama. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This Alabama circular is for pesticide applicators using chemical herbicides on commercial turfgrass pests. The herbicides, formulations and application suggestions are cross referenced with the pest. Treatments are further modified by the type of commercial turfgrass the pests are affecting.

*NAL Call No.:* S544.3.A2C47 no.22

#### **1990 insecticide recommendations for Arkansas.**

Johnson, Donald R.; Jones, Bill F.

University of Arkansas, Fayetteville. Cooperative Extension Service; United States. Dept. of Agriculture.

[Fayetteville, Ark.] : Cooperative Extension Service, University of Arkansas, [1990?]. 135 p. : ill. ;

28 cm.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC institutional, structural pest control; PATC aerial pest control; PATC demonstration, research

*Abstract:* This guide contains 1990 insecticide recommendations for Arkansas for insect pests of specific animals, field crops, fruit and nuts, and vegetables. Additionally, it lists suggested insecticides for recreation areas, flowers, trees and shrubs, turfgrass, golf courses, commercial Christmas trees, and household pests. It provides basic information about insecticides, calibration, and addresses and telephone numbers of Poison Control Centers in Arkansas.

*NAL Call No.:* SB950.2.A82J6

#### **Applying herbicides to yards, gardens, and other small areas.**

Boyd, John W 1949-.

University of Arkansas, Fayetteville. Cooperative Extension Service.

[Little Rock, Ark.?] : Cooperative Extension Service, University of Arkansas Division of Agriculture : U.S. Dept. of Agriculture, and county governments cooperating, [1984]. 7 p. : ill. ; 28 cm. -- MP (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 216.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* Instructions for accurately and safely applying granular and liquid herbicides to yards, gardens, and other small areas are provided in this publication for homeowners. Contains calibration procedures, area calculation formulas, conversions and equivalents, and small area conversion table.

*NAL Call No.:* 275.29 Ar4Mi no.216

#### **The biology and control of the western flower thrips.**

Robb, Karen L; Parrella, Michael P. 1951-; Newman, Julie P.

[Columbus, Ohio] : Ohio Florists' Association, 1988. p. 2-5, p. 2-5 : ill. ; 28 cm.



## PATC ornamental, turf pest control

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This two-part article discusses the western flower thrips (WFT) biology, particularly its importance in developing insecticide resistance control strategies and alternative insecticides evaluated for efficacy of WFT control.

*NAL Call No.:* QL598.3.T4R6

### **Broadleaf weeds in turf : identification and control.**

Dow Chemical Company.

[S.l.] : Dow Chemical Company, [1987?]. 71, [1] p. : col. ill. ; 11 x 22 cm.

*Place of publication:* United States (state is not known). *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This identification guide lists common and scientific names, characteristics of leaves, flowers, and roots, look-alikes, sites, growth period, and control treatment period of 34 broadleaf weeds in turf. Features color photos and closeups of weeds and their look-alikes, flagged hard to control weeds, and alphabetical index.

*NAL Call No.:* SB611.B76

### **Calibration of lawn and garden pesticide and fertilizer applicators for homeowners.**

Smith, Larry J.

Moscow, Idaho : University of Idaho, College of Agriculture, Cooperative Extension Service, Agricultural Experiment Station, [1987].

*Place of publication:* Idaho. *Language:* English.

*Descriptors:* PATC general public and homeowners; PATC ornamental, turf pest control

*Abstract:* Calibration of drop and centrifugal spreaders and air pressure and hose-end sprayers for applying fertilizer or pesticides are discussed in this publication for homeowners. Includes equipment care and maintenance tips and safety suggestions.

*NAL Call No.:* 275.29 Id13Idc no.792

### **California plant disease handbook and study guide for agricultural pest control advisors.**

Gubler, Walter D.

University of California (System). Division of Agriculture and Natural Resources. 3rd ed. Oakland, Calif. : Regents of the University of California, Division of Agriculture and Natural Resources : available from ANR Publications, University of California, 1986. ii, 157 p. ; 28 cm. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 4046.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC forest pest control

*Abstract:* This is a comprehensive study guide on diagnosing plant diseases, using cultural and biological control methods, using plant resistance, and using chemicals for disease control. Sections include field and forage crops, vegetable crops, tree fruit and nut crops, small fruit crops, and ornamentals. It is designed for agricultural pest control advisors, and useful to applicators and growers. A glossary and references are included.

*NAL Call No.:* SB624.C2C3 1986

### **Cereal disease field guide : wheat and barley.**

Ciba-Geigy.

Greensboro, N.C. : CIBA-GEIGY, 1987? 1 v. (unpaged) : col. ill. ; 10 x 18 cm.

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC private sector produced material

*Abstract:* This field guide provides information on the symptoms, life cycle, overwintering mechanisms, and conditions which favor development of wheat and barley diseases. Color photos aid in identification of disease symptoms.

## PATC ornamental, turf pest control

NAL Call No.: SB608.G6C4

### **Chemical weed control in commercial nursery & landscape plantings : 1989.**

Smith, Elton M.

Ohio State University. Cooperative Extension Service. Rev.

[Columbus, Ohio] : Ohio Cooperative Extension Service, Ohio State University, [1988]. 20 p. : ill. ; 28 cm. -- MM (Ohio State University. Cooperative Extension Service) ; 297.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This guide provides information on pre-emergence and post-emergence herbicides for chemical weed control in commercial nursery and landscape plantings. Factors affecting herbicide performance, selecting, mixing, and calculating amounts of herbicides, and safety precautions are discussed. It includes a glossary, charts of woody plants, ground covers and flowers tolerant to herbicides, weeds controlled by pre-emergence herbicides, formulations for small areas, and an equivalents table.

NAL Call No.: SB951.4.S657 1988

### **Chemical weed control in commercial nursery & landscape plantings : 1990.**

Smith, Elton M.

Ohio State University. Cooperative Extension Service. Rev.

[Columbus, Ohio] : Ohio Cooperative Extension Service, Ohio State University, [1989]. 20 p. : col. ill. ; 28 cm. -- MM (Ohio State University. Cooperative Extension Service) ; 297.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This guide provides information on pre-emergence and post-emergence herbicides for chemical weed control in commercial nursery and landscape plantings. Factors affecting herbicide performance, selecting, mixing, and calculating amounts of herbicides, and safety precautions are discussed. It includes a glossary, charts of woody plants, ground covers and flowers tolerant to her-

bicides, weeds controlled by pre-emergence herbicides, formulations for small areas, and an equivalents table.

NAL Call No.: SB951.4.S657 1989

### **Common insect pests of trees in the Great Plains.**

United States. Forest Service; Nebraska Cooperative Extension Service; Rocky Mountain Forest and Range Experiment Station (Fort Collins, Colo.).

[Lincoln, Neb.] : U.S. Dept. of Agriculture, Forest Service : Nebraska Cooperative Extension Service, [1986?]. vi, 44 p. : col. ill. ; 28 cm. -- E.C. (Nebraska Cooperative Extension Service) ; 86-1548. -- Great Plains Agricultural Council publication ; no. 119.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This publication, developed to aid the public and professionals in identifying and managing common insect pests of trees in the Great Plains, provides information on hardwood and conifer defoliators, borers, sapsucking insects and gall insects: their hosts, identification, life cycle, and damage and control recommendations. Color photos aid in pest identification. Contains a list of insecticides by common and registered trade names, a list of host plants by common name with scientific names, and common and scientific names of insect pests arranged by the damage they cause.

NAL Call No.: S27.A3 no.119

### **Control of turfgrass pests.**

Miller, Richard L.

Rev.

[Columbus, Ohio] : Ohio Cooperative Extension Service, Ohio State University, 1990. -- L (Ohio State University. Cooperative Extension Service) ; 187.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* Pesticide recommendations for controlling turfgrass weeds, diseases and insect pests and turf insecticide trade and common names, formulations, active ingredient, chemical classification, oral and dermal LD50 and manufacturer are pro-



## PATC ornamental, turf pest control

vided in this pesticide applicator's guide. It contains information on weed control and turfgrass disease management, steps in turf pest control, dilution tables, and Ohio Poison Information Centers addresses and phone numbers.

*NAL Call No.:* 275.29 Oh32El no.187 1990

### **Control of turfgrass pests.**

Miller, Richard L.

Rev.

[Columbus, Ohio] : Ohio Cooperative Extension Service, Ohio State University, 1989. -- L (Ohio State University. Cooperative Extension Service ; 187.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* Pesticide recommendations for controlling turfgrass weeds, diseases and insect pests and turf insecticide trade and common names, formulations, active ingredient, chemical classification, oral and dermal LD50 and manufacturer are provided in this pesticide applicator's guide. It contains information on weed control and turfgrass disease management, steps in turf pest control, dilution tables, and Ohio Poison Information Centers addresses and phone numbers.

*NAL Call No.:* 275.29 Oh32EL no.187 1989

### **Diagnosing ornamental plant diseases : an illustrated handbook.**

Keim, Randolph; Humphrey, Wesley A.

University of California (System). Division of Agriculture and Natural Resources; University of California (System). Cooperative Extension. Oakland, Calif. : Division of Agriculture and Natural Resources, University of California, c1987. iv, 32 p. : col. ill. ; 22 x 28 cm. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 21446.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC right-of-way pest control

*Abstract:* Many color photographs illustrate ornamental plant diseases. Indexed by disease and by plant species. 32 pages. Helpful to growers, ap-

plicators, and advisors.

*NAL Call No.:* SB608.O7K4

### **Disease control in the landscape.**

Powell, Charles C.

Ohio State University. Cooperative Extension Service. [Rev.].

[Columbus, Ohio] : Ohio State University, Cooperative Extension Service, c1988. 38 p. : col. ill. ; 28 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 614.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This publication discusses plant health management including correct diagnosis and determination of causes of ornamental plant problems, recognition of infectious diseases, knowledge of different types of plant pathogens, and integrated nonchemical and chemical control methods. It contains charts of common general and specific diseases of landscape plants in Ohio providing descriptions and suggested remedies or prevention tactics.

*NAL Call No.:* 275.29 OH32 no.614 1988

### **Disease control in the nursery : with special reference to woody and herbaceous perennials.**

Powell, Charles C.

Ohio State University. Cooperative Extension Service. Rev.

[Columbus, Ohio] : Ohio Cooperative Extension Service, Ohio State University, [1987]. 24 p. : col. ill. ; 28 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 571.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This publication discusses strategies for and steps involved in disease management in the nursery with emphasis on woody and herbaceous perennial ornamentals. It includes information on plant pathogens and the diseases they cause, soil fumigation, lists of common diseases of ornamentals in Ohio, pesticide recommendations, dilution and conversion tables and Ohio Poison Informa-



## PATC ornamental, turf pest control

tion Centers.

*NAL Call No.:* 275.29 OH32 no.571 1987

### **Diseases of turfgrasses.**

CIBA-GEIGY Corporation. Agricultural Division; Professional Lawn Care Association of America. Greensboro, N.C. : Agricultural Div., CIBA-GEIGY, c1986. 63 p. : col. ill. ; 22 cm.

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC private sector produced material

*Abstract:* This manual covers North American turfgrass disease symptoms, diagnosis and control. For each disease, it lists the pathogen, grasses affected, season of occurrence, weather and management conditions favoring its development and provides a written description and color photos of its primary symptoms. Control procedures for each disease appear at end of the manual.

*NAL Call No.:* SB608.T87D5

### **Disposal of pesticide wastes and containers.**

Dewey, J. E.

Rev. 2/84.

Ithaca, N.Y. : New York State College of Agriculture and Life Sciences, [1984].

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC private core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC recertification

*Abstract:* Cornell Fact Sheet 4-132 is included in the three part recertification packet given to pesticide applicators as part of their training program by New York state. The fact sheet updates and supplements the manual and workbook, discussing the proper and safe disposal of pesticide wastes and containers. The New York state regulations for disposal are covered. New York State conservation regional offices and phone numbers, as well as solid waste engineers are included.

*NAL Call No.:* SB951.A1C67 no.4-132

### **El Entrenamiento de los trabajadores del invernadero sobre el uso de los pesticidas.**

Zavala, Melanie.

University of California, Davis. Visual Media; University of California, Davis. Office of Pesticide Information and Coordination.

Davis, [Calif.] : University of California, Davis, Visual Media, c1986. 1 videocassette (16 min.) : sd., col. ; 1/2 in.

*Place of publication:* California. *Language:* Spanish.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator; PATC ornamental, turf pest control

*Abstract:* This video is aimed at non-certified pesticide applicators. It is designed to provide them with part of the training they need in order to handle pesticides safely. The video can also be of use for greenhouse workers who have only indirect exposure to pesticides. The presentation covers entry of pesticides into the body, poisoning symptoms, protective clothing and equipment, emergency procedures, and common sense protective measures. It also discusses some of the potential dangers of pesticide use in a greenhouse situation and how they can be avoided. This video was developed under a grant from the U.S. EPA.

*NAL Call No.:* Videocassette no.674

### **Fundamentals of pesticides : a self-instruction guide.**

Ware, George Whitaker 1927-.

2nd ed.

Fresno, Calif. : Thomson Publications, c1986. xv, 274 p. : ill. ; 23 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC general public and homeowners

*Abstract:* Written for individuals preparing for federal or state pesticide applicator certification and for the layman, this self-instructional guide covers the fundamentals of and the major classes of pesticides. It includes units on pesticide vocabulary, chemistry, formulations, toxicity, laws, safe handling and use practices; 125 review questions; and a glossary.

## PATC ornamental, turf pest control

*NAL Call No.:* SB951.W28 1986

### **Growers weed identification handbook.**

University of California (System). Division of Agricultural Sciences.

[Berkeley, Calif.?] : Division of Agricultural Sciences, University of California, [197-?- ]. 1 v. : col. ill. ; 30 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC right-of-way pest control

*Abstract:* Color photographs and descriptions of common weeds found in agricultural crops are provided. Includes photos of seedlings, mature plants, and flowers and fruit. Intended for growers, advisors, and applicators. Loose-leaf format permits easy updating.

*NAL Call No.:* SB612.C2G7

### **Guide to turfgrass pest control.**

Elmore, Clyde L.; University of California (System).

University of California (System). Division of Agriculture and Natural Resources. Rev. Oakland, Calif. : Division of Agriculture and Natural Resources, University of California, [1988]. 45 p. ; 23 cm. -- Leaflet (University of California (System). Division of Agriculture and Natural Resources) ; 2209.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This pesticide use guide for applicators, advisors, and turfgrass growers, is designed to be used with ANR publication 4053 "Turfgrass Pests". It contains tables on herbicide selection, herbicide specification, fungicides, insecticides, nematocides, and rodenticides.

*NAL Call No.:* S544.3.C2C3 no.2209 1988

### **A Homeowner's guide to outdoor pesticide safety.**

University of Arizona. Pesticide Coordinator's Of-

fice; University of Arizona. Agricultural Sciences Communications.

Tucson, Ariz. : The Office, c1990. 80 slides : col. + 1 sound cassette (18 min.) + 1 script (13 p.) + 1 manual for instructors (12 p.).

*Place of publication:* Arizona. *Language:* English.

*Descriptors:* PATC general public and homeowners; PATC ornamental, turf pest control

*Abstract:* This homeowner's guide to safe application of pesticides outdoors consists of a slide/tape set with script and an instructor's manual. This program emphasizes the importance of reading the pesticide label, wearing protective clothing and equipment, properly measuring, mixing, applying, and storing pesticides, disposing of excess pesticides and empty containers, cleaning up spills, and recognizing pesticide poisoning symptoms.

*NAL Call No.:* Slide no.347

### **How to select and safely use herbicides.**

Idea Bank. (Firm).

[Santa Barbara, Calif.] : Idea Bank, c1989. 1 videocassette (15 min.) : sd., col. ; 1/2 in. + reference guide master set. 1 video. -- Training videos.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC private sector produced material

*Abstract:* This videotape for commercial applicators explains how to select and apply herbicides safely and effectively in the landscape. Pre-emergence and post-emergence herbicides, the importance of careful site inspection and evaluation, record keeping application techniques, environmental concerns, and spill, equipment and personal clean-up are discussed. Accompanied by training materials: multiple choice and true or false review questions and answers and discussion questions.

*NAL Call No.:* Videocassette no.925

### **Illinois pest control handbook.**

University of Illinois at Urbana-Champaign. Cooperative Extension Service; Illinois. Natural History Survey Division.

[Urbana, Ill.] : Cooperative Extension Service, University of Illinois at Urbana-Champaign, 1986-.



## PATC ornamental, turf pest control

v. : ill. ; 28 cm.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC animal agricultural pest; PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control

*Abstract:* The Illinois Pest Control Handbook, a compilation of detailed information on pests (insects, plants, animals, fungi, and nematodes) and pesticides (herbicides, insecticides, fungicides, nematocides and restricted-use pesticides), informs the applicator how to develop strategies for integrated pest management. It covers pests of field crops and livestock, vegetable crops, ornamentals and turf, homes, yards, and gardens. Many tables cross reference pest problems with recommended pest management guidelines which include control methods instructions, pesticides and treatments. The handbook is revised annually.

*NAL Call No.:* SB950.2.I3I46

### Indiana training program for turf technicians.

Purdue University. Office of the Indiana State Chemist; Purdue Pesticide Programs; Indiana State Lawn Care Association.

West Lafayette, Ind. : Produced jointly by Office of the Indiana State Chemist, Purdue University ; Purdue Pesticide Programs, Purdue University ; Indiana State Lawn Care Association, [1988?]. Carmel, Ind. 1 v. (various pagings) : ill. ; 28 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This is a training manual for Registered Turf Care Technicians. Topics covered include the biology of grass; weed, insect, disease and vertebrate pests; pesticide product, label, and formulation information; protection; proper application; equipment calibration; legal obligations of pesticide users; and environmentally safe practices. Label interpretation worksheets, area calculation problems, a step-by-step guide on how to treat a lawn, and a glossary are provided.

*NAL Call No.:* SB608.T87I52

### Insect and mite control in ornamentals.

Antonelli, Arthur.

Rev. Aug. 1989.

Pullman, Wash. : Cooperative Extension, College of Agriculture and Home Economics, Washington State University, [1989].

*Place of publication:* Washington. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC general public and homeowners

*Abstract:* Prepared for use by homeowners and professional pesticide applicators, this publication provides information on sprayer and pesticide selection and use precautions, and protective clothing. Includes charts cross referencing pests of specific ornamental plants with insecticides, rates and remarks. Charts of general pests of ornamentals and lawns complete this manual.

*NAL Call No.:* 275.29 W27P no.826

### Insect and mite control on woody ornamentals and herbaceous perennials.

Nielsen, David Gary 1943-.

Ohio State University. Cooperative Extension Service.

[Columbus, Ohio] : Ohio Cooperative Extension Service, Ohio State University, [1989?]. 18 p. : map ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* Prepared to provide information on when, which insects and which stage of development, and how to safely and effectively control troublesome pests of landscape plants, this publication discusses pest control decision making, insecticides, protection, application equipment, and integrated pest management (IPM). Includes list of top 25 nursery pests in Ohio, host/pest guide to insects and mites attacking ornamentals, and guide indicating suggested time to apply control measures based on seasonal appearance of specific pests.

*NAL Call No.:* SB763.O3N5



## PATC ornamental, turf pest control

### **Insect and mite control on woody ornamentals and herbaceous perennials.**

Nielsen, David Gary 1943-.

Ohio State University. Cooperative Extension Service.

Columbus, Ohio : Ohio Cooperative Extension Service, Ohio State University, 1989. 88 p. : ill. ; 28 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 504.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* The major component of this manual is an extensive table listing specific herbaceous perennials and woody ornamentals, their insect and mite pests, timing of treatment, pesticide recommendations, formulation, and amount to add to 100 or 1 gallon of water. Includes: host/pest guide to insects and mites attacking ornamentals, list of top 25 nursery pests in Ohio, tables on dilution and measures, Ohio poison information centers, information chart on insecticides/acaricides by trade name, and spray mixture compatibility chart. Additionally, this publication provides information on pest control decision making, early pest detection, factors critical to pesticide performance, pesticide hazards, personal protection, application equipment, and integrated pest management (IPM).

*NAL Call No.:* 275.29 OH32 no.504

### **Insect, mite and disease control on commercial floral and foliage crops.**

Powell, Charles C.; Lindquist, Richard Kenneth, 1942-.

Ohio State University. Cooperative Extension Service.

[Columbus, Ohio] : Ohio Cooperative Extension Service, Ohio State University, c1986. 23 p. : ill. ; 28 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 538.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This bulletin for commercial growers provides information on common insects, mites, and diseases of floral and foliage crops and insecticides, miticides, fungicides, and nematocides used to con-

trol them. Preventive health management; sanitizing agents and sanitation procedures; proper use of pesticides; and protection are discussed. Includes list of Ohio and surrounding states' poison information centers.

*NAL Call No.:* SB608.G82P6

### **Insect pest management guidelines for California landscape ornamentals.**

Koehler, Carlton S.

University of California (System). Cooperative Extension; University of California (System). Division of Agriculture and Natural Resources.

Oakland, Calif. : Cooperative Extension : [University of California, Division of Agriculture and Natural Resources, c1987. -- Publication (University of California (System). Division of Agriculture and Natural Resources ; 3317.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC ornamental, turf pest control; PATC right-of-way pest control

*Abstract:* This manual includes information on diagnosing ornamental plant problems caused by insects, sampling and monitoring landscape pests, determining when control action should be taken, and implementing methods of pest management including biological control, cultural control, physical control, and insecticidal control. It contains a larger table of pest management information by plant species. Suitable for growers (nursery), applicators, and advisors.

*NAL Call No.:* SB608.O7K64

### **Insect pests of conifers.**

Scheibner, R. A.

Rev. 12-86.

[Lexington, Ky.] : University of Kentucky, College of Agriculture, Cooperative Extension Service, [1986].

*Place of publication:* Kentucky. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This manual is a ready reference guide to help Kentucky pesticide applicators determine the identity of insect pests found on or around conifers.

## PATC ornamental, turf pest control

Recommended treatments are then listed with appropriate formulations, suggested dilutions and comments.

*NAL Call No.:* 275.29 K415E no.9

### **Insect, weed and disease management on commercial turfgrass.**

Smitley, Dave.

East Lansing, Mich. : Cooperative Extension Service, Michigan State University, [1989]. 28 p. ; 28 cm. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; E-2178.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* Insect, weed and disease management recommendations for turfgrass are presented in ready reference charts for the commercial pesticide applicator. Charts contain information enabling the applicator to identify many insects, weeds and diseases that attack turfgrass and match them with the suggested cultural and biological control practices and chemical control agents and their recommended dosages. Pesticide tolerance charts and herbicide charts link pesticide trade names to their common names.

*NAL Call No.:* 275.29 M58B no.2178

### **Insecticides and miticides registered for the interior plantscape in Massachusetts, 1988.**

Van Driesche, R. G.; Jenkins, J.  
University of Massachusetts (Amherst campus). Cooperative Extension Service; University of Massachusetts at Amherst. College of Food and Natural Resources; United States. Dept. of Agriculture.

[Amherst, Mass.] : Cooperative Extension, University of Massachusetts, [1988]. [4] p. ; 28 cm.

*Place of publication:* Massachusetts. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control

*Abstract:* The agency sponsoring this publication is the Pesticides Program in the Department of En-

tomology. This publication identifies specific insecticides and miticides registered for interior plantscapes in Massachusetts, reporting toxicity data and defining related terminology.

*NAL Call No.:* SB951.5.V3

### **Insects and diseases of lawns.**

Jones, Bill Frank 1936-.

[Rev.].

[Little Rock, Ark.?] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture, and county governments cooperating, [1988?]. 1 folded sheet ([12] p.) ; 23 cm. -- Leaflet (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 414.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This leaflet covers insects and diseases of lawns and provides insecticide and fungicide recommendations and dosages for their control.

*NAL Call No.:* 275.29 Ar4Le no.414 1988

### **Insects and related pests of trees, shrubs, and lawns.**

Spackman, Everett W.; Lawson, Fred A.

University of Wyoming. Cooperative Extension Service.

Laramie, Wyo. : College of Agriculture, Cooperative Extension Service, University of Wyoming, [1987?]. ii, 46 p. : ill. ; 28 cm.

*Place of publication:* Wyoming. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This manual is designed to aid Wyoming pesticide users in the identification of common insect pests and in the selection of appropriate treatments for tree, shrub and lawn pests. Sucking insects, chewing insects, gall producers, borers and lawn pests are illustrated and described. Recommended control treatments for each pest are given. Suggested formulations for insecticides are supplied.

*NAL Call No.:* SB763.W8S6

### **Insects that feed on trees and shrubs.**



## PATC ornamental, turf pest control

Johnson, Warren T.; Lyon, Howard H.  
2nd ed.  
Ithaca, N.Y. : Comstock Pub. Associates, 1988.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This reference manual covers the most important arthropod pests, approximately 900 species of insects, mites, and other animal pests, that damage woody ornamental plants (trees and shrubs) in the United States and Canada. It contains life cycle information, sources of pest control information, a glossary and extensive references. Includes a simplified key, The Reader's Guide to the Identification of Insects and Related Pests, based partly on plant groups and partly on insect feeding behavior and numerous color photos.

*NAL Call No.:* SB601.J6 1988

### **Integrated pest management for turfgrass and ornamentals.**

Leslie, Anne R.; Metcalf, Robert L.  
United States. Environmental Protection Agency.  
Washington, D.C. : U.S. Environmental Protection Agency, Office of Pesticide Programs, Field Operations Division, 1989. viii, 337 p. : ill. ; 27 cm.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This EPA manual discusses insect resistance, regulatory, environmental and societal problems in controlling turfgrass and ornamental pests with pesticides and the benefits of an integrated pest management approach. It presents research on understanding the pest/site complex and biological turfgrass pest control by endophytic fungi and entomophilic nematodes. Current disease, insect and weed control practices are covered as well as developing IPM programs.

*NAL Call No.:* SB608.T87I5

### **The law and regulations on licensing pest control operators : a handbook for commercial pest control operators.**

Arkansas. State Plant Board; Arkansas. Arkansas pest control law. Rev.

Little Rock, Ark. : State Plant Board, Pest Control Section, 1984. 27 p. : ill. ; 22 cm. -- Circular (Arkansas. State Plant Board) ; 6.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC fumigation

*Abstract:* The Arkansas Pest Control Law and the regulations of the State Plant Board for licensing pesticide control applicators are the contents of this handbook. The 1985 regulation changes are attached separately.

*NAL Call No.:* KFA3882.I5A3 1984

### **Lawn care for your home.**

Sullivan, Nancy 1929-.  
United States. Environmental Protection Agency.  
Chicago, Ill. : U.S. Environmental Protection Agency, Region 5, Office of Public Affairs, [1988]. 13 p. : ill. ; 22 cm.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC general public and homeowners

*Abstract:* This pamphlet, written for the homeowner in the midwestern United States, gives the EPA safety recommendations for private lawn care. Common and trade names for pesticides and herbicides are cross referenced. Advice for selection of a lawn care service is included.

*NAL Call No.:* SB608.T87S9

### **[Miscellaneous study materials for commercial applicators].**

Arkansas. State Plant Board.  
[Little Rock, Ark. : The Board, 1976?]. v. : ill. ; 23-36 cm.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional,



## PATC ornamental, turf pest control

structural pest control; PATC fumigation

*Abstract:* This compilation of materials for persons desiring a license for Pest Control Service work in Arkansas includes: Arkansas State Plant Board Application for Pest Control Examination; some specific category requirements; notification of a regulation change; and various publications on food processing, structural, ornamental, turfgrass and forest pest control, rats and fumigation.

*NAL Call No.:* SB952.863.A82M5

### [Miscellaneous study materials for commercial applicators].

Ohio. Dept. of Agriculture Laboratories.  
[Columbus, Ohio : The Department, 1959-]. v. : ill. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC forest pest control; PATC public health pest control; PATC fumigation; PATC seed treatment; PATC demonstration, research

*Abstract:* These commercial applicator study materials include: general core information on Ohio pesticide regulations, Poison Control Centers, pesticide safety and toxicity, and groundwater protection; and information pertaining to the control of plant agricultural, forest, ornamental, turf, vertebrate (bird), structural (termite), public health (mosquito) and stored grain pests; fumigation; seed treatment; and demonstration and research.

*NAL Call No.:* SB952.863.O3M5

### Ohio insect information.

Ohio State University. Cooperative Extension Service.  
Columbus, Ohio : Cooperative Extension Service, Ohio State University, [198?-]. v. : ill. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC wood destroying organisms; PATC stored,

processed, manufactured product pest control; PATC institutional, structural pest control; PATC public health pest control; PATC general public and homeowners

*Abstract:* These publications provide information on the identification, life cycle, habits, non-chemical and chemical control of insect pests including ornamental and turfgrass, wood destroying, stored grain, and public health pests and moles (insectivores). For homeowners and study material for Ohio commercial applicators.

*NAL Call No.:* SB934.5.O3O47

### On target.

National Arborist Association (Wantagh, N.Y.).  
[Bedford, N.H.] : The Association, c1987. 3 videocassettes (30 min.) : sd., col. ; 1/2 in + e 1 manual.

*Place of publication:* New Hampshire. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC private sector produced material

*Abstract:* Developed by the National Arborist Association for arborists, this three part video training program and supplementary calibration manual explains how to operate, calibrate, and maintain a hydraulic sprayer to achieve maximum efficiency. It demonstrates how to properly target the spray column to reduce drift and overspray and thereby ensure cost effectiveness.

*NAL Call No.:* Videocassette no.822

### Ornamental and turf : pesticide applicator manual.

Nesheim, O. Norman.  
Oklahoma State University. Cooperative Extension Service. Rev.  
Stillwater, Okla. : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, 1984. 71 p. : ill. ; 28 cm. -- Circular (Oklahoma State University. Cooperative Extension Service) ; E-838.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

## PATC ornamental, turf pest control

*Abstract:* This manual provides information on ornamental and turf pests, their damage and their control, equipment calibration, uniform pesticide application, mixing, and loading pesticides, and minimizing pesticide use hazards. It contains conversion tables, formulas for calculating calibration, pesticide formulations and area, drawings, and additional references.

*NAL Call No.:* 275.29 Ok41C no.838 1984

### **Ornamental and turf : pesticide applicator manual.**

Nesheim, O. Norman.

Rev.

[Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, 1984. 71 p. : ill. ; 28 cm. -- Circular (Oklahoma State University. Cooperative Extension Service) ; E-838.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC commercial core training; PATC ornamental, turf pest control

*Abstract:* This manual provides information on ornamental and turf pests, their damage and their control, equipment calibration, uniform pesticide application, mixing and loading pesticides, and minimizing pesticide use hazards. It contains conversion tables, formulas for calculating calibration, pesticide formulations and area, drawings, and additional references.

*NAL Call No.:* 275.29 Ok41C no.838 1984

### **Ornamental and turf manual.**

Montana. Environmental Management Division. Helena, Mont. : Montana Dept. of Agriculture, Environmental Management Division, [1986]. iv, 103 p. : ill. ; 28 cm.

*Place of publication:* Montana. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This manual introduces pesticide applicators to insect pests of ornamentals and discusses the types of insect feeding damage on ornamentals, the biology, damaging stage and host, and non-chemical and chemical methods used to control them. It provides information on turf insect

pests, ornamental and turfgrass weed and disease management, and damage on landscape plants. Correct use of pesticides, pesticide properties, environmental concerns, proper herbicide selection, fungicides, equipment calibration and pesticide disposal are covered. Includes illustrations of ornamental insect pest damage, some ornamental and some turfgrass insect pests.

*NAL Call No.:* SB608.O7O752

### **Ornamental and turf pest control.**

Coleman, V. Rodney; Brown, Edward Angus, 1948-.

University of Georgia. Cooperative Extension Service. Rev. July 1987.

Athens, Ga. : Cooperative Extension Service, University of Georgia, College of Agriculture, [1987]. 49 p. : ill. ; 28 cm. -- Special bulletin (University of Georgia. Cooperative Extension Service) ; no. 10.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This manual provides information to aid in preparation for certification examinations in ornamental and turf pest control and/or interiorscapes. Its four major sections are: Ornamentals, Turf, Trees and Interiorscapes. It includes pest identification, selection and application of pesticides, and safety information.

*NAL Call No.:* SB950.A1S62 no.10 1987

### **Ornamental & turf pest control : pesticide applicator training manual, category 3.**

Brown, Cynthia L.; Baldwin, Susan M.

[Newark, Del.?] : University of Delaware, College of Agricultural Sciences, Communications Office, 1990. 1 v. (various pagings) ; ill. ; 28 cm.

*Place of publication:* Delaware. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This Delaware manual is a self-study guide for those who wish to become certified pesticide applicators in the ornamental and turf pest control category. The manual focuses on principles of ornamental and turf culture, problem diagnosis,



## PATC ornamental, turf pest control

pest identification and integrated pest management techniques. The potential hazards of pesticide use are discussed and safety precautions including protective clothing, blood testing, safety checklists, proper handling, mixing, application, transportation, and disposal of pesticides and pesticide contaminated material are suggested. An up-to-date bibliography, sample product labels, study questions and answers, and emergency phone numbers complete the guide.

*NAL Call No.:* SB608.T87B7

### **Ornamental & turf pest control, manual 89.**

Minner, David Drew; Palm, Einar; Kerr, Harold. Rev. December 1988.  
Columbia, Mo. : University Extension, University of Missouri, 1988. 1 v. (various pagings) : ill. (some col.) ; 28 cm.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This training manual provides the information needed to pass the commercial applicators licensing examination on integrated pest management in ornamental and turf grass in the state of Missouri. Weeds, insects and diseases are identified, defined and discussed. Both black and white illustrations and color photographs further clarify the information. Each chapter ends with a diagnostics chart comparing symptoms, descriptions and pest. There is one chapter with information on equipment and calibration techniques and three chapters concerned with pesticide safety, environmental concerns and application of pesticides. Includes a glossary and a brief summary of federal laws and regulations.

*NAL Call No.:* SB950.2.M8C37 1988

### **Ornamental and turfgrass pest control.**

North Carolina Agricultural Extension Service. Raleigh, N.C. : North Carolina Agricultural Extension Service, North Carolina State University, [1983?]. 24 p. : ill. ; 28 cm.

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* Designed to prepare commercial applicators for licensing in North Carolina in Ornamental and Turf Pest Control, this manual covers specific standards. Federal core certification requirements must be met, as well, to obtain a commercial pesticide applicators license in N.C. Information on ornamental and turfgrass diseases and pests, control measures, and environmental concerns such as phytotoxicity and controlling drift is included. It contains weights and measurement equivalents, illustrations, and black and white photographs.

*NAL Call No.:* SB608.O7O76

### **Ornamental and turfgrass pest control.**

Burgess, Gene.  
University of Tennessee, Knoxville. Agricultural Extension Service. [Rev.].  
[Knoxville, Tenn.] : University of Tennessee Agricultural Extension Service, [1988?]. 21 p. ; 28 cm.

*Place of publication:* Tennessee. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This manual contains study questions to aid those applying for certification in the Ornamental and Turf pest control category in the State of Tennessee. Test questions cover diseases, pests and treatments. Answers are provided.

*NAL Call No.:* SB950.2.T207 1988

### **Ornamental and turfgrass pest identification and control.**

Miller, Landon Carl.  
Clemson University. Cooperative Extension Service.  
Clemson, S.C. : Clemson University, Cooperative Extension Service, 1979. 70 p. : ill. ; 28 cm. -- Pesticide training series ; no. 3.

*Place of publication:* South Carolina. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* Designed to prepare applicators for certification in the ornamental and turfgrass pest con-



## PATC ornamental, turf pest control

trol category, this manual provides information on the identification and control of weed, insect pests and diseases caused by fungi, bacteria, nematodes, and viruses; pesticide safety; adverse effects of improper pesticide use; procedures for minimizing pesticide hazards to the environment; and selection, calibration and maintenance of turf sprayers. Area formulas and weights and measures equivalents are provided.

*NAL Call No.:* SB950.2.S6M5

### **Ornamental pest control : category 3A.**

Henderson, F. Robert.

Kansas State University. Cooperative Extension Service.

Manhattan, Kan. : Cooperative Extension Service, Kansas State University, [1986]. 49 p., [6] p. of plates : ill. (some col.) ; 28 cm.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* Major topics covered in this study guide for commercial pesticide applicators are: the identification and control of insects, mites, diseases, weeds and vertebrate pests; equipment and calibration; and pesticide hazards. Color photographs of woody ornamental and tree diseases, illustrations, and multiple choice questions are included.

*NAL Call No.:* SB763.K2O7 1986

### **Ornamentals.**

Bode, Loren E.

University of Illinois at Urbana-Champaign. Cooperative Extension Service; Illinois. Natural History Survey Division.

[Urbana, Ill.] : University of Illinois at Urbana-Champaign, College of Agriculture, Cooperative Extension Service, in cooperation with the Illinois Natural History Survey, [1985?]. 60 p. : ill. (some col.) ; 28 cm. -- Special publication (University of Illinois at Urbana-Champaign. Agricultural Experiment Station) ; 39-3.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This Illinois manual on woody plants (ornamentals) is for homeowners, nurserymen, persons dealing with tree and shrub pest problems in

public plantings and those seeking certification as Commercial or Public Pest Control Applicators. It provides information on integrated pest management (IPM) practices, suggests methods for controlling insect, weed, and disease pests of trees and shrubs, and describes different types of equipment and how to calibrate them. Specific pesticide recommendations are not included but are published in other annually revised Illinois Extension circulars and fact sheets. Includes illustrations of weeds, keys to common woody plant diseases and insects, color photographs, a glossary, and additional references.

*NAL Call No.:* 276 IL623 no.39-3

### **Ornamentals & turf manual.**

Brown, A. E.

University of Maryland Cooperative Extension Service.

College Park, Md. : University of Maryland Cooperative Extension Service, 1986-87 [i.e. 1987]. 61 p. : ill. ; 28 cm. -- Maryland pesticide applicator training series.

*Place of publication:* Maryland. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This manual for private and commercial applicators covers Ornamental and Turf Pest Control and its three subcategories, nursery and landscape ornamentals, turfgrass and greenhouse ornamentals. It contains an appendix on restricted-use pesticides and short answer study questions.

*NAL Call No.:* SB608.O7B76

### **Ornamentals and turf workbook.**

Nicol, Nancy.

University of Illinois at Urbana-Champaign. Cooperative Extension Service.

[Urbana, Ill.] : Cooperative Extension Service, College of Agriculture, University of Illinois, [1987?]. 28 p. ; 28 cm. -- Pesticide applicator training.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This workbook contains questions and calibration problems based on information in Illinois Pesticide Applicator Training Manuals on Turfgrass, 39-1 and Ornamentals, 39-3. It includes

## PATC ornamental, turf pest control

questions on insect pests, diseases and weed pests of woody plants and turfgrass and their control.

*NAL Call No.:* SB608.O7O75

### **Ornamentals and turf workbook, 1990-1991.**

Wolf, Bob.

University of Illinois at Urbana-Champaign. Cooperative Extension Service. [Rev.].

[Urbana, Ill.] : Cooperative Extension Service, College of Agriculture, University of Illinois at Urbana-Champaign, [1990?]. 40 p. ; 28 cm. -- Pesticide applicator training.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* Short answer questions and calibration problems in the 1990-91 workbook correspond to information in Illinois Pesticide Applicator Training Manuals on Turfgrass, 39-1 and Ornamentals, 39-3. It contains questions on diseases, weed control and insect pests of turfgrass and ornamentals.

*NAL Call No.:* SB608.O7O75 1990

### **Pest and disease control on indoor plants.**

Powell, Charles C.; Lindquist, Richard Kenneth, 1942-.

Ohio State University. Cooperative Extension Service.

[Columbus, Ohio] : Cooperative Extension Service, The Ohio State University, 1984? 19 p. : ill. ; 28 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 711.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This publication discusses plant stress management in interiorscapes or indoor environments, diagnosing interior plant problems, infectious diseases, insect and mite pests, factors which improve pesticide performance, and safety precautions. Includes general diagnostic guide for indoor plants, list of insecticides and miticides, and Ohio Poison Control Centers addresses and telephone numbers.

*NAL Call No.:* 275.29 OH32 no.711

### **Pest control for trees and shrubs.**

Johnson, Donald R.; Jones, Bill F.; McDaniel, M. C.

[Rev.].

Fayetteville, Ark. : Cooperative Extension Service, University of Arkansas ; [Washington, D.C.] : U.S. Dept. of Agriculture, [1988]. -- Extension circular (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 526.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This identification handbook for pesticide applicators on pests and diseases of trees and shrubs covers the use of insecticides, fungicides and nematocides. It includes tables of insecticide spray schedules and common and trade names of commercial preparations containing fungicides. Specific diseases and insects are illustrated. The final section of the manual cross references trees and plants with the most common disease and insect problems in the state of Arkansas.

*NAL Call No.:* 275.29 Ar4 no.526

### **Pest management principles for the commercial applicator : ornamental and turf pest control.**

Newman, Bob.

2nd ed.

Madison, Wis. : University of Wisconsin-Extension, 1988. viii, 232 p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC ornamental, turf pest control

*Abstract:* Training manual for commercial pesticide applicators in the ornamental and turf pest control category. Major topics: application of pest management principles for weed, insect, and disease control; toxicity of pesticides; protecting human health and the environment; disposal; equipment calibration; IPM practices; and label information.

*NAL Call No.:* SB603.5.P48 1988



## PATC ornamental, turf pest control

### **Pest management principles for the commercial applicator : ornamental and turf pest control study guide.**

Newman, Bob.

2nd ed.

Madison, Wis. : University of Wisconsin-Extension, 1988. 34 p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC ornamental, turf pest control

*Abstract:* This study guide accompanies "Pest management principles for the commercial applicator : ornamental and turf pest control." It contains multiple choice questions and answers on a variety of subjects including laws and regulations, formulations, safety, application principles, and resistance to pesticides.

*NAL Call No.:* SB603.5.P482 1988

### **Pesticide application and safety training study guide : ornamental insects and disease.**

Colorado. Division of Plant Industry. Rev. 10-90. Denver, Colo. : Colorado Dept. of Agriculture, Division of Plant Industry, [1990]. 65 p. : ill. ; 28 cm.

*Place of publication:* Colorado. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This Colorado study guide/manual contains the educational information needed by the commercial pesticide applicator to pass the written state licensing examination in the ornamental plant insect and disease category. The major ornamental plant diseases, insect and mite pests, soil pests and garden pests are described. Integrated pest management strategies including the use of natural and biological controls and chemical treatment, the characteristics of pesticides, and pesticide application are discussed. Safety strategies, first aid treatments and environmental concerns are addressed. Calibration tables and formulas are given. Colorado State Extension Service Offices' addresses and telephone numbers and the Rocky Mountain Poison Control Center toll free telephone number are listed. A glossary is included.

*NAL Call No.:* SB763.C6P47 1990

### **Pesticide application and safety training study guide : turf pest control.**

Colorado. Division of Plant Industry. Rev. 10-90. Denver, Colo. : Colorado Dept. of Agriculture, Division of Plant Industry, [1990]. 43 p. : ill. ; 28 cm.

*Place of publication:* Colorado. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This Colorado study guide/manual contains the educational information needed by the commercial pesticide applicator to pass the written state licensing examination in the turf pest control category. Turf pests--insects, diseases and weeds--are described and illustrated. Integrated pest management strategies are suggested. Pesticide drift problems, phytotoxicity and other hazards are discussed. Safety strategies, first aid treatments and further environmental concerns, including groundwater contamination, are addressed. Calibration tables, area formulas and weights and measures equivalents are given. A glossary is included. Colorado State Extension Service Offices' and telephone numbers and the Rocky Mountain Poison Control Center toll free telephone number are listed.

*NAL Call No.:* SB608.T87P46 1990

### **Pesticide application equipment and methods for trees, shrubs, and trellised vines.**

Beasley, E. O.

[Raleigh, N.C.] : North Carolina Agricultural Extension Service, [1984].

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This North Carolina manual covers the principal types of pesticide application equipment and methods for treating trees, shrubs and trellised vines, specifically pressure hydraulic sprayers, air sprayers, and spinner, contact and granular applicators. Calibration of equipment is discussed. Equipment safety and maintenance tips are included.



## PATC ornamental, turf pest control

NAL Call No.: S544.3.N6N62 no.310

### **Pesticide applicator recertification workbook : agricultural--plant, ornamentals and turf.**

Pendleton, R. F.; Dewey, Jerald E.; Smith, W. G. Ithaca, N.Y. : Cooperative Extension, Chemicals-Pesticides Program, New York State College of Agriculture and Life Sciences at Cornell University, [1984]. iv, 127 p. : ill. ; 28 cm.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC recertification

*Abstract:* This self-study workbook is one of the three parts of the pesticide applicator training program for commercial pesticide applicators seeking recertification in the Agricultural-Plant and/or Ornamentals and Turf category in New York State. The workbook is distributed with the Pesticide Compendia and Cornell Fact Sheet 4-132, Disposal of Pesticide Wastes and Containers. It is intended to inform the applicant of current technical and safety developments and environmental concerns and to continue to enlarge upon the information in the core and category manuals. This workbook highlights the problems of drift, groundwater contamination and honeybee protection. Calibration and spraying techniques, the affects of alkalinity on pesticides, and protective clothing are topics that are discussed. A section on greenhouse pest control completes the workbook.

NAL Call No.: SB965.P43

### **Pesticide applicator training : [ornamental pest control].**

Purdue University.

West Lafayette, Ind. : Purdue University, [198-?]. 1 v. (various pagings) : ill. (some col.) ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* Ornamental Pest Control is the subject of this commercial pesticide applicator training manual. It contains ornamental insect pests and diseases color photo identification aids and control information. Ornamental tree and weed identifica-

tion guides are included. The biology and control of vertebrates, mites, slugs, and nematodes are discussed. Pesticide recommendations, applications, spray equipment and calibrations are covered. Environmental concerns (e.g. controlling pesticide drift) are addressed.

NAL Call No.: SB951.P4624

### **Pesticide applicator training : [turfgrass pest control].**

Purdue University.

[West Lafayette, Ind.?] : Purdue University, [198-?]. 1 v. (various pagings) : ill. (some col.) ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This study manual prepares commercial pesticide applicators for certification in turfgrass pest control. Color guides facilitate identification of lawn weeds and turfgrass diseases and provide cultural and chemical control recommendations. The recognition, biology, and control of vertebrate and insect pests and nematodes is covered. Proper selection and safe application of pesticides, phytotoxicity, controlling pesticide drift, and minimizing water contamination are discussed. A major topic is spray equipment and calibration. Calibration problems and answers are provided.

NAL Call No.: SB951.P4625

### **Pesticide compendia : fungicides, herbicides, insecticides, rodenticides.**

Dewey, Jerald E.; Pendleton, R. F.; Smith, W. G. Ithaca, N.Y. : Cooperative Extension, Chemicals-Pesticides Program, New York State College of Agriculture and Life Sciences at Cornell University, [1984]. 127 p. ; 28 cm.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC private core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC recertification

*Abstract:* This compendia contains useful information relating to pesticides recommended in New York state. It is included in New York state's three part recertification packets for private pesticide applicators and for commercial pesticide ap-

## PATC ornamental, turf pest control

plicators certified in Agricultural-Plant and/or Ornamentals and Turf. The purpose of the compendia is to place in one reference book the producers, formulations, restrictions, toxicity, residual, environmental and compatibility hazards of fungicides, herbicides, insecticides and rodenticides including chemical repellents available in New York state. There is an additional guide to pesticide manufacturers that includes emergency phone numbers as well as a chart of exposure and poisoning symptoms cross referenced with the chemical family and type of pesticide.

*NAL Call No.:* SB950.2.N7P476

### **Pesticide safety in the greenhouse.**

University of California, Davis. Visual Media. Davis, Calif. : Visual Media, University of California, Davis, [1986]. 1 videocassette (VHS) (21 min.) : sd., col. ; 1/2 in.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC ornamental, turf pest control

*Abstract:* This video, developed under a grant from the U.S. Environmental Protection Agency, is designed to aid managers and supervisors in identification and resolution of problems inherent in greenhouse use of pesticides.

*NAL Call No.:* Videocassette no.359

### **Pesticide safety in the landscape.**

Harrigan, Jim.  
Vocational Education Productions.  
San Luis Obispo, Calif. : Vocational Education Productions, California Polytechnic State University, 1989. 1 videocassette (VHS) (ca 30 min.) : sd., col. ; 1/2 in. + 1 video teaching guide. -- The pest control series.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This videotape discusses proper ways to reduce the environmental and human hazards of pesticide use in the landscape. Accurate pest identification, proper pesticide selection, safe handling, application, disposal and storage of pesticides are covered. The importance of reading and following

the label, wearing, cleaning and maintaining protective clothing and equipment is stressed. Label signal words, lethal dose and pesticide formulation are defined. A teaching guide containing a vocabulary list, discussion questions, activities and a bibliography accompany this videocassette.

*NAL Call No.:* Videocassette no.978

### **Phytonematology study guide.**

McKenry, Michael V.; Roberts, Philip A.  
University of California (System). Cooperative Extension; University of California (System). Division of Agriculture and Natural Resources.  
Oakland, Calif. : Publications, Division of Agriculture and Natural Resources, University of California, c1985. viii, 56 p. : ill. ; 28 cm. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 4045.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control

*Abstract:* This is a required guide for the nematode category licensing of California Licensed Pest Control Advisors. It includes nematode descriptions, distribution patterns within California, damage and symptomology, methods of soil sampling, and ways to manage nematode problems. Considerable information on nematicides, including their characteristics, mode of action, and methods of application is provided. Other features are appendices, a glossary, a bibliography, many illustrations, and tables. Helpful information for growers is presented.

*NAL Call No.:* SB998.N4M32

### **Pine bark beetles in urban areas.**

Price, Terry S.  
[Macon, Ga.?] : Georgia Forestry Commission, [1987?]. 1 folded sheet (7 p.) ; 22 cm.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC forest pest control; PATC general public and homeowners

*Abstract:* This pamphlet informs urban tree owners how to identify, prevent and control damage caused by the five species of pine bark beetles in



## PATC ornamental, turf pest control

Georgia.

*NAL Call No.:* SB608.P65P7

### **Private applicator certification : nursery and Christmas trees.**

Alm, Steven R.; Siligato, Peggy.

Kingston, R.I. : University of Rhode Island, Cooperative Extension, College of Resource Development, [1991]. 1 v. (various pagings) : ill., maps ; 28 cm.

*Place of publication:* Rhode Island. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* Designed to prepare applicators for certification in nursery and Christmas tree pest control in Rhode Island, this study packet contains lists of: suggested references; commonly used pesticides, common ornamental insects, weeds and diseases and their chemical and non-chemical controls, and equipment which these applicators should be familiar with; subject areas they should be proficient in; and continuing education resources. Sample labels, a bulletin on the hemlock woolly adelgid's biology and control and an article on horticultural oils are included.

*NAL Call No.:* SB763.R4P7

### **Professional turf management.**

Vocational Education Productions.

San Luis Obispo, Calif. : Vocational Education Productions, 1987. 1 videocassette (26 min.) : sd., col. ; 1/2 in. + 1 video teaching guide.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This videotape presents an overview of professional turf management and covers the major types of turfgrass, mowing principles and practices, irrigation, fertilization, cultural practices, and weed, insect and disease control. Reel, rotary and flail mowers; rotary, drop spreader and liquid sprayer fertilizer applicators; and dethatching and aerating equipment are discussed. Safety precautions for using fertilizers and pesticides are emphasized. An accompanying teaching guide contains a vocabulary list, questions, activities and suggested

references.

*NAL Call No.:* Videocassette no.979

### **Recertification manual for commercial pesticide applicators : ornamental plant pest control, category 3b.**

Landis, Joy Neumann.

East Lansing, Mich. : Cooperative Extension Service, Michigan State University, [1989]. 41, [1] p. : ill. ; 28 cm. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; E-2165.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC recertification

*Abstract:* This review manual is designed for commercial pesticide applicators seeking recertification by the Michigan Department of Agriculture. The general review of ornamental plant pest control covers safety rules and precautions, toxicity, application, storage and disposal of pesticides. A chapter is devoted entirely to ornamental pest identification and management. Self study questions are found at the end of each section; answers are provided. There is a special diagnostic chart highlighting pests and recommended procedures.

*NAL Call No.:* 275.29 M58B no.2165

### **Recertification manual for commercial pesticide applicators : turfgrass pest control, category 3a.**

Landis, Joy Neumann; Olsen, Larry G.; Smitley, David.

Michigan State University. Cooperative Extension Service.

East Lansing, Mich. : Michigan State University, Cooperative Extension Service, [1990]. 46 p. ; 28 cm. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; E-2166.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC recertification

*Abstract:* This recertification manual for commercial pesticide applicators is a review manual to be used in preparation for the state of Michigan recer-



## PATC ornamental, turf pest control

tification examination on turfgrass pest control. The text contains a general review of pesticides, toxicity, labels, safety regulations, storage, disposal and federal and state laws and regulations. Pesticide emergency poison control phone numbers are included.

*NAL Call No.:* 275.29 M58B no.2166

### **Recommended chemicals for weed and brush control.**

Baldwin, Ford L.

[Rev. ed.].

[Little Rock, Ark.?] : Cooperative Extension Service, University of Arkansas, and U.S. Dept. of Agriculture, and county governments cooperating, 1990. 104 p. : ill. ; 23 x 31 cm. -- MP (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 44.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC forest pest control; PATC aerial pest control; PATC demonstration, research

*Abstract:* This chart formatted publication summarizes 1990 recommendations for use of herbicides for weed and brush control in Arkansas conforming with federal and state regulations. Contains trade name cross reference chart; chart of common, chemical, and trade name, formulation and manufacturer; charts indicating crop, situation, active chemical and formulated material per broadcast acre, weeds controlled, time and method of application and precautions; herbicide response rating tables. Supporting text on herbicide application guidelines and spray additives. Highlights trial or limited use herbicides.

*NAL Call No.:* 275.29 Ar4Mi no.44 1990

### **Recommended chemicals for weed and brush control.**

Baldwin, Ford L.; Boyd, John W. 1949-; Tripp, Timothy.

University of Arkansas, Fayetteville. Cooperative Extension Service; University of Arkansas, Fayetteville. Agricultural Experiment Station; United States. Dept. of Agriculture. [Rev. ed.].

[Little Rock, Ark.] : Cooperative Extension Ser-

vice, University of Arkansas, and U.S. Dept. of Agriculture, and county governments cooperating, [1988]. 98 p. : ill. ; 23 x 31 cm. -- MP (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 44.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC forest pest control; PATC aerial pest control; PATC demonstration, research

*Abstract:* This chart formatted publication summarizes 1988 recommendations for use of herbicides for weed and brush control in Arkansas conforming with federal and state regulations. Contains trade name cross reference chart; chart of common, chemical, and trade name, formulation and manufacturer; charts indicating crop, situation, active chemical and formulated material per broadcast acre, weeds controlled, time and method of application and precautions; herbicide response rating tables. Supporting text on herbicide application guidelines and spray additives. Highlights trial or limited use herbicides.

*NAL Call No.:* 275.29 Ar4Mi no.44 1988

### **Safe use of pesticides in interiorscapes : a video training program.**

Associated Landscape Contractors of America. Interior Plantscape Division.

Falls Church, Va. : ALCA, c1990. 1 videocassette (22 min., 39 sec.) : sd., col. ; 1/2 in. + 1 instructor's manual + 1 pesticide exam and answer sheet + 2 data sheets + 1 Hazard Communication Standards manual.

*Place of publication:* Virginia. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC private sector produced material

*Abstract:* Developed by the Interior Plantscape Division of ALCA, this video training program informs interiorscape technicians how to safely and properly apply pesticides. It explains when to apply and how to select, mix, and use pesticides, what protective clothing to wear and safety precautions to follow, and how to handle spills. Accompanying materials consist of an instructor's manual containing a glossary, a multiple choice true and false

## PATC ornamental, turf pest control

exam with answers, a sample label and MSDS, and federal right-to-know law information.

*NAL Call No.:* Videocassette no.821

### **Scotts guide to the identification of dicot turf weeds.**

O.M. Scott & Sons.

Marysville, Ohio : O.M. Scott & Sons, c1985. [16], 100 p. : ill. ; 9 x 17 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC private sector produced material

*Abstract:* Scotts' simplified guide to the identification of dicot turf weeds for turf managers includes an alphabetical index, table of contents, and lists of rosette and vining type weeds found most abundantly in nearly all states and southern Canada, cool season areas and southern Canada, and Eastern states and Canada, the Western states and Canada, and the Southern states. Illustrations, common and scientific names accompany nontechnical descriptions of 100 weeds.

*NAL Call No.:* SB608.T87S3

### **Scotts guide to the identification of grasses.**

O.M. Scott & Sons.

Marysville, Ohio : O.M. Scott & Sons, c1985. [20], 60 p. : ill. ; 9 x 16 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC private sector produced material

*Abstract:* Prepared to aid in the identification of the more common grasses, this guide includes: drawings of grass plant parts, seedheads and spikelets; descriptions of major identifying features; a table of contents; and keys to folded and rolled in the bud grasses found in nearly all states, cool season and warm season areas of the U.S., Eastern and Western states. Illustrations, common and scientific names accompany nontechnical descriptions of 60 grasses.

*NAL Call No.:* QK495.G74S36

### **Selective chemical weed control.**

Ashton, Floyd M.; Harvey, W. A. 1914-

University of California (System). Division of Agriculture and Natural Resources; California Agricultural Experiment Station. Rev.

Berkeley, Calif. : Agricultural Experiment Station, Division of Agriculture and Natural Resources, University of California, 1987. 16 p. : ill. ; 23 cm.

-- Bulletin (University of California (System). Division of Agriculture and Natural Resources) ; 1919.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC forest pest control

*Abstract:* This bulletin discusses weed control as part of an IPM program. It explains ways that herbicides act on weeds, describes application methods, contains many line drawings and a glossary. Intended for use by growers, advisors, and applicators.

*NAL Call No.:* S39.A2C3 no.1919 1987

### **[Study materials for pesticide applicator certification].**

Connecticut. Dept. of Environmental Protection.

Hartford, Conn. : State of Connecticut, Dept. of Environmental Protection, [1990?]. 1 v. : ill. ; 28 cm.

*Place of publication:* Connecticut. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC institutional, structural pest control; PATC forest pest control; PATC fumigation; PATC anti-fouling paint pest control

*Abstract:* Information for commercial supervisory or operational license applicants, procedures for taking examinations, and categorical lists of helpful materials to use in preparing for pesticide applicator certification examinations in Connecticut are included in this packet.

*NAL Call No.:* SB952.86.S7



## PATC ornamental, turf pest control

### **Training greenhouse workers to handle pesticides safely.**

Zavala, Melanie.

University of California, Davis. Visual Media; University of California, Davis. Office of Pesticide Information and Coordination.

[Davis, Calif.] : Visual Media, Division of Agriculture and Natural Resources, University of California, Davis, c1986. 1 videocassette (16 min.) : sd., col. ; 1/2 in.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC agricultural worker; PATC non-certified applicator; PATC ornamental, turf pest control

*Abstract:* This video is aimed at non-certified pesticide applicators and is designed to provide them with part of the training they need in order to handle pesticides safely. The video can also be of use for greenhouse workers who have only indirect exposure to pesticides. The presentation covers entry of pesticides into the body, poisoning symptoms, protective clothing and equipment, emergency procedures, and common sense protective measures. It also discusses some of the potential dangers of pesticide use in a greenhouse situation and how they can be avoided. This video was developed under a grant from the U.S. Environmental Protection Agency.

*NAL Call No.:* Videocassette no.362

### **Training greenhouse workers to handle pesticides safely (Japanese ed.)**

Zavala, Melanie; Singleton, Robert.

University of California, Davis. Visual Media.

[Davis, Calif.] : Visual Media, Division of Agriculture and Natural Resources, University of California, Davis, [1986]. 1 videocassette (VHS) (16 min.) : sd., col. ; 1/2 in.

*Place of publication:* California. *Language:* English and Japanese.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator; PATC ornamental, turf pest control; PATC agricultural worker

*Abstract:* This video is aimed at non-certified pes-

ticide applicators. It is designed to provide them with part of the training they need in order to handle pesticides safely. The video can also be of use for greenhouse workers who have only indirect exposure to pesticides. The presentation covers entry of pesticides into the body, poisoning symptoms, protective clothing and equipment, emergency procedures, and common sense protective measures. It also discusses some of the potential dangers of pesticide use in a greenhouse situation and how they can be avoided. This video was developed under a grant from the U.S. EPA.

*NAL Call No.:* Videocassette no. 677

### **Training material for commercial/non-commercial pesticide applicators. 3, Ornamental and turf pest control.**

Oklahoma State University. Cooperative Extension Service.

[Stillwater, Okla. : Cooperative Extension Service, Oklahoma State University, 1989]. 1 portfolio : ill. ; 33 cm.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This packet of materials, used to prepare applicators for certification, contains manuals on managing turfgrass and ornamental pests, information sheets covering groundwater contamination and the Endangered Species Act, and publications on safety and protective clothing.

*NAL Call No.:* SB950.2.O5T77

### **Tree pest control, category 3A ; ornamental pest control, category 3B ; forestry pest control, category 2.**

Alm, Steven R.; Siligato, Peggy.

Kingston, R.I. : University of Rhode Island, Cooperative Extension, College of Resource Development, [1991]. 9 p. : ill., maps ; 28 cm.

*Place of publication:* Rhode Island. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC forest pest control

*Abstract:* Designed to prepare commercial applicators for certification in forestry, tree and or-



## PATC ornamental, turf pest control

namental pest control in Rhode Island, this study packet contains lists of: suggested references; commonly used pesticides, common forestry, tree and ornamental pests and their chemical and non-chemical controls, and equipment these applicators should be familiar with; subject areas they should be proficient in; and continuing education resources. Sample labels and a bulletin on the hemlock woolly adelgid's biology and control are included.

*NAL Call No.:* SB763.R4T7

### **Tree, turf and ornamental pesticide guide.**

Thomson, W. T.  
1987-88 revision.

Fresno, Calif. : Thomson Publications, c1987. 170 p. ; 23 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This guide to pesticides for trees, turf and ornamentals is divided into four major pesticide sections: Insecticides, Herbicides, Fungicides and Growth Regulators with cross-references to plants they can be used on. Manufacturers' addresses as well as conversion and calibration charts follow the chemical section. A useful reference for turf specialists, pest control operators, nurserymen, landscapers and growers.

*NAL Call No.:* SB951.T5 1987

### **Turf, category 3B : commercial applicator certification.**

Alm, Steven R.; Siligato, Peggy.

Kingston, R.I. : University of Rhode Island, Cooperative Extension, College of Resource Development, [1991]. 1 v. (various pagings) : 28 cm.

*Place of publication:* Rhode Island. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* Designed to prepare commercial applicators for certification in turf pest control in Rhode Island, this study packet contains lists of: suggested references; commonly used pesticides, common structural insects and vertebrate pests and

their chemical and non-chemical controls, and equipment which these applicators should be familiar with; subject areas they should be proficient in; and continuing education resources. 1990 Rhode Island turfgrass disease control recommendations, sample labels and Material Safety Data Sheets are included.

*NAL Call No.:* SB608.T87T78

### **Turf pest control : category 3B.**

Henderson, F. Robert.

Kansas State University. Cooperative Extension Service.

Manhattan, Kan. : Cooperative Extension Service, Kansas State University, [1986]. 48 p. : ill. (some col.) ; 28 cm.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* Designed for commercial pesticide applicators, this study guide explains how to identify and culturally or chemically control turfgrass diseases, weeds, insect and vertebrate pests. Other topics discussed include proper application of herbicides, fungicides, and insecticides, calibration, and ways to minimize phytotoxicity, pesticide drift and environmental hazards. Color photos of weeds aid identification. Multiple choice study questions follow major sections.

*NAL Call No.:* SB608.T87T8 1986

### **Turfgrass disease control guide.**

Ohr, Howard D.; McCain, Arthur Hamilton; Endo, Robert M.

University of California (System). Cooperative Extension; University of California (System). Division of Agriculture and Natural Resources.

Berkeley, Calif. : Cooperative Extension, University of California, [1987?]. 1 sheet ; 65 x 28 cm. folded to 28 x 22 cm. -- Leaflet (University of California (System). Division of Agriculture and Natural Resources) ; no. 2619.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This is a cultural and chemical control guide for 20 different turfgrass diseases. It describes symptoms, susceptible grasses, and con-

## PATC ornamental, turf pest control

ditions favoring diseases. For applicators and advisors.

*NAL Call No.:* S544.3.C2C3 no.2619 1987

### **Turfgrass pests.**

Bowen, W. R.; Davis, Peggy Anne.  
University of California (System). Division of Agriculture and Natural Resources. [1st rev. ed.]. Oakland, Calif. : Division of Agriculture and Natural Resources, University of California, c1980. 53 p. : ill. ; 28 cm. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 4053.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* This publication includes information on the safe and effective use of pesticide chemicals; measurements and calculations for preparing the sprayer; weed control in large turf areas; insect and related turfgrass pest identification and control; nematode diseases of turfgrass; turfgrass diseases; and rodent damage in turfgrass. It contains many colored and black and white photographs of pests and diseases, metric conversion tables, formulae for area calculations, and a glossary. Intended for landscape pesticide applicators and commercial turfgrass growers and turfgrass advisors.

*NAL Call No.:* SB608.T87T87 1980

### **El Uso seguro de los pesticidas dentro del invernadero.**

Zavala, Melanie.  
University of California, Davis. Office of Pesticide Information and Coordination.  
Davis, Calif. : University of California, Davis, Visual Media, c1986. 1 videocassette (VHS) (21 min.) : sd., col. ; 1/2 in.

*Place of publication:* California. *Language:* Spanish.

*Descriptors:* PATC private core training; PATC commercial core training; PATC ornamental, turf pest control

*Abstract:* This video, intended for managers and supervisors discusses problems inherent in greenhouse pesticide use and suggests how to insure pesticide safety. It was developed under a U.S.

Environmental Protection Agency grant.

*NAL Call No.:* Videocassette no.360

### **Van Waters & Rogers Pest control library.**

Ehmann, Norman; Cherubini, Paul.  
San Mateo, Calif. : Van Waters & Rogers, [197?-]. v. : ill. ; 28 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC wood destroying organisms; PATC regulatory pest control; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* Designed for pest control business owners, managers, and service technicians, these reference manuals provide information on the biology and control of common structural pests. Volume I Structural Pest Control Act and Volume XI Pesticides and Pesticide Safety contain valuable information for all pest controllers. True and false and/or multiple choice quizzes with answers reinforce material covered in each manual. A few manuals have glossaries.

*NAL Call No.:* SB950.V3

### **Weed control in ground covers.**

Elmore, Clyde L.; Humphrey, Wesley A.; Hamilton, W. Douglas.  
University of California (System). Cooperative Extension; University of California (System). Division of Agriculture and Natural Resources.  
Berkeley, Calif. : Cooperative Extension, University of California, Division of Agriculture and Natural Resources, [1987?]. 12 p. ; 28 cm. -- Leaflet (University of California (System). Division of Agriculture and Natural Resources) ; 2782.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC right-of-way pest control

*Abstract:* This leaflet, intended for landscape pesticide applicators and advisors, covers the cultural and chemical control methods for weeds in ground covers. It contains a table of herbicides registered



## PATC ornamental, turf pest control

for this use. Another table rates the sensitivity of weeds to herbicides used for their control. Table 3 suggests herbicide formulations and application rates.

*NAL Call No.:* S544.3.C2C3 no.2782 1987

### **Weeding with chemicals : 1986 guide.**

Williams, J. L.; Bauman, T. T.  
Purdue University. Cooperative Extension Service.  
West Lafayette, Ind. : Cooperative Extension Service, Purdue University, [1986]. 77, [1] p. ; 28 cm.  
-- ID (Purdue University. Cooperative Extension Service) ; 1.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC aquatic pest control

*Abstract:* This guide provides information on herbicides recommended for use in Indiana to control weeds in field crops, forages, turfgrass, aquatic environments, vegetable crops, fruit and specialty crops and to control specific weeds. It contains charts rating the relative effectiveness of herbicides for corn, soybeans and horticultural crops. Safety, drift and calibration of ground application equipment are discussed.

*NAL Call No.:* 275.29 In2Id no.1 1986

### **Working with pesticides : a video safety course.**

Idea Bank (Firm).  
Tempe, Ariz. : The Idea Bank, 1989.

*Place of publication:* Arizona. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control

*Abstract:* Four volume set of videotapes for commercial applicators on "Working with Pesticides". Volume I explains how to safely store and dispose of pesticides, covering proper storage techniques and safety precautions, storage buildings, the effects of time and weather on stored pesticides, and the importance of record keeping. Volume II informs applicators how to protect themselves (by wearing protective clothing and equipment) and the environment (by preventing residues, volatilization, leaching, runoff, contamination of water, drift

and phytotoxicity) while applying and disposing of pesticides. Volume III explains and demonstrates how to properly calibrate, mix, apply, and dispose of chemicals safely and effectively. Volume IV provides guidelines on how to operate and maintain different types of sprayers and their components, reviewing things to check routinely. Each volume is accompanied by training materials including multiple choice and true or false questions and answers and discussion questions and other subject specific materials.

*NAL Call No.:* Videocassette no. 927

### **Your lawn.**

Street, John.  
[Columbus, Ohio] : Ohio Cooperative Extension Service, Ohio State University, [1988]. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 271.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC general public and homeowners

*Abstract:* This publication covers lawn maintenance practices, weed control, turfgrass diseases and insect pests. General pest control measures pertaining to causes, symptoms, and timing of treatments are discussed rather than chemical recommendations. Outlines pesticide safety precautions. For homeowners and study material for commercial applicators in Ohio.

*NAL Call No.:* 275.29 Oh32 no.271



## PATC pesticide dealers and distributors

### PATC pesticide dealers and distributors

#### **Ag chemical emergency response : a firefighter's guide.**

Monsanto Company.

[St. Louis, Mo.?] : Monsanto, c1989. 1 videocassette (28 min.) : sd., col. ; 1/2 in. + 1 booklet (13 p.) + discussion guide + 1 set of dealer contingency planning forms + 2 sets of quiz and answer sheets. -- Dealer environmental training & information library series ; 7.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* Monsanto's D.E.T.A.I.L. 7 assists agricultural chemical dealers in developing effective strategies with their local fire departments to handle emergencies. It points out important information needed by the local emergency response team, such as pesticide label information and dealer contingency plans. This kit contains a videotape, an illustrated manual, true and false and multiple choice questions and answers, dealer contingency plan forms, and a discussion guide.

*NAL Call No.:* Videocassette no.704

#### **Contingency planning : your key to crisis management.**

Monsanto Company.

[St. Louis, Mo.?] : Monsanto, c1988. 1 videocassette (ca 40 min.) : sd., col. ; 1/2 in. + 1 booklet (12 p.) + 1 set of contingency planning forms. -- Dealer environmental training & information library series ; 4.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* Monsanto's D.E.T.A.I.L. 4 focuses on Contingency Planning, developing an emergency response plan, to help prevent disasters. The workbook outlines nine steps to follow in developing or reviewing a contingency plan. This kit consists of a videocassette, a workbook, and numerous contingency planning notebook forms.

*NAL Call No.:* Videocassette no.701

#### **Endangered species protection program.**

Jones, Bill F.; Waldrum, Joseph D.

University of Arkansas, Fayetteville. Cooperative Extension Service.

[Fayetteville, Ark.?] : Cooperative Extension Service, University of Arkansas, [between 1980 and 1988]. [1] p. ; 28 cm.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC commercial core training; PATC pesticide dealers and distributors

*Abstract:* This pesticide information sheet is to alert all pesticide and herbicide users of the new EPA regulations required by the Endangered Species Act. Endangered species in Arkansas counties are the fat pocketbook pearly mussel, the Curtis' pearly mussel, pink mucket mussel, the Ozark cavefish, the leopard darters, the pondberry and the red-cockaded woodpecker. New labelling standards (implemented after September 15, 1988) require applicators to obtain information regarding the protection and location of endangered species from the U.S. Fish and Wildlife Service (FWS) and observe new prohibitions, regulations and limitations of certain pesticides in certain Arkansas counties.

*NAL Call No.:* QH545.P4J66

#### **Ground water and agricultural chemicals : understanding the issues.**

Monsanto Company.

[St. Louis, Mo.?] : Monsanto, 1989. 1 videocassette (ca. 30 min.) : sd., col. ; 1/2 in. + 1 manual + 2 copies of a checklist + 2 sets of quizzes + 2 sets of answers sheets. -- Dealer environmental training & information library series ; 1.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* D.E.T.A.I.L. 1 of a progressive dealer environmental training series developed by Monsanto focuses on understanding and preventing groundwater contamination while handling and applying agricultural chemicals. This kit consists of a

## PATC pesticide dealers and distributors

contents description, videocassette, an illustrated workbook, guidelines for preventing contamination, and a multiple choice quiz with answers. This well-organized module presents valuable information for dealers and growers.

*NAL Call No.:* Videocassette no.698

### Ground water and agricultural chemicals : understanding the issues.

American Soybean Association; National Corn Growers Association.

[St. Louis, Mo.?] : American Soybean Association : National Corn Growers Association, c1988. 1 videocassette (17 min., 40 sec.) : sd., col. ; 1/2 in.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* This videotape defines groundwater, identifies types of pollutants, and stresses the importance of the pesticide applicator's (the farmer's) responsibility to protect groundwater from contamination by proper application and safe use of agricultural chemicals. It demonstrates how to reduce risks of groundwater contamination by preventing back siphoning, protecting existing well heads, pressure or triple rinsing of containers, using leak free containers, securing pesticides during transport and properly mixing, loading, handling and storing pesticides away from wells and water supplies.

*NAL Call No.:* Videocassette no.924

### North Carolina pesticide laws and regulations.

Wilson, John H. 1933-.

North Carolina. Dept. of Agriculture; North Carolina Agricultural Extension Service. Rev. July, 1989.

[Raleigh, N.C.] : N.C. Dept. of Agriculture and N.C. Agricultural Extension Service, [1989]. 119 p. : ill. ; 28 cm.

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC private core training; PATC

commercial core training; PATC pesticide dealers and distributors; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Covers North Carolina laws regulating use of restricted pesticides, pesticide handling and disposal, and applicator licensing. For agricultural workers, growers, certified applicators, and non-certified applicators.

*NAL Call No.:* KFN7780.P4A82 1989

### On-farm ag chemical safety.

Monsanto Company.

[St. Louis, Mo.?] : Monsanto, c1989. 1 videocassette (25 min.) : sd., col. ; 1/2 in. + 1 booklet (8 p.) + 2 sets of Farm Family Chemical Safety Kit. -- Dealer environmental training & information library series ; 6.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC general public and homeowners; PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* Farm family chemical safety is the subject of D.E.T.A.I.L. 6 produced by Monsanto. Major topics covered include handling chemicals safely, understanding labels, wearing protective clothing, assessing pesticide inventory and storage facilities on the farm, and developing an emergency response plan. The manual and videotape outline and emphasize 17 safe chemical handling rules. The module also contains a kit of emergency and responsibility checklists and various forms.

*NAL Call No.:* Videocassette no.703

### Pesticide dealers.

Fairchild, Mahlon; Andre, Paul.

University of Missouri--Columbia. University Extension. Rev. Nov. 1989.

Columbia, Mo. : University Extension, University of Missouri, [1989]. 13 p. : ill. ; 28 cm. -- Manual (University of Missouri--Columbia. University Extension) ; 100.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC pesticide dealers and distributors

*Abstract:* M-100, Dealers Training Manual pro-



## PATC pesticide dealers and distributors

vides the information necessary to meet the requirements of the Missouri Pesticide Use Act and provides assistance for passing the examination required to obtain a Missouri Pesticide Dealer License. Safety suggestions for toxic pesticides include recommendations for storage, protective clothing and fire control. Pesticide poison dangers and environmental concerns are also addressed. Emergency phone numbers are included as well as instructions for accessing the Ag Electronic Bulletin Board for up-to-date information on Federal laws and regulations.

*NAL Call No.:* SB950.2.M8F35 1989

### **Pesticide registration : what it is, how it works.**

Monsanto Company.

[St. Louis, Mo.?] : Monsanto, c1989. 1 videocassette (25 min.) : sd., col. ; 1/2 in. + 1 booklet (9 p.) + 1 quiz sheet + 1 discussion guide + 1 introduction sheet. -- Dealer environmental training & information library series ; no. 5.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* Monsanto's D.E.T.A.I.L. 5 discusses the pesticide registration process and EPA evaluation and data requirements. It covers the following mandated areas of data collection and reporting: Product Chemistry, Residue Chemistry, Toxicology, and Environmental Fate. This module consists of a videotape and an accompanying printed introduction, an illustrated manual, a question and answer discussion guide and a true and false and multiple choice quiz and answers.

*NAL Call No.:* Videocassette no.702

### **Pesticide study questions : pesticide training manual.**

Wilson, John H.

North Carolina Agricultural Extension Service.

Raleigh, N.C. : North Carolina Agricultural Extension Service, [1986?]. 80 p. ; 28 cm.

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC private core training; PATC

commercial core training; PATC institutional, structural pest control; PATC pesticide dealers and distributors

*Abstract:* This handbook is a self-study guide containing sample and review questions for pesticide applicators preparing for their certification examination in the state of North Carolina or for structural pest control certification.

*NAL Call No.:* SB950.73.U52N8

### **Pesticide training manual for restricted use pesticide dealers.**

Wilson, John H 1933-; Burnette, James W. 1952-. North Carolina. Dept. of Agriculture; North Carolina Agricultural Extension Service. Rev. May 1984.

[Raleigh, N.C.?] : North Carolina Dept. of Agriculture : North Carolina Agricultural Extension Service, [1984?]. 35 p. : ill. ; 28 cm.

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC pesticide dealers and distributors

*Abstract:* This training manual is designed to prepare North Carolina dealers of restricted use pesticides for the state licensing examination. It summarizes the North Carolina Pesticide Law of 1971 and contains Regulations of the North Carolina Pesticide Board. Additional topics covered are dealer recertification requirements, other pesticide regulations and suggestions for assisting clientele with pesticide selection.

*NAL Call No.:* SB952.5.W52 1984

### **Pre-fire plan for handling agricultural chemical fires.**

Chevron Chemical Company.

San Francisco, Calif. : Chevron Chemical Company, [1985?]. 20 p. : ill. ; 28 cm. + 2 folded sheets.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* Designed to aid the agri-chemical dealer in developing a pre-fire plan for handling agricul-



## PATC pesticide dealers and distributors

tural chemical fires, this step-by-step guide includes fire fighting and post-fire clean-up instructions, first aid information, pages for drawing maps of the facility and immediate surroundings and site drainage, and pages for recording emergency and agency notification telephone numbers, location of emergency equipment and supplies and water supplies. Includes completed example forms.

*NAL Call No.:* TH9445.C47P7

### Safe chemical handling and environmental protection.

Monsanto Company.

[St. Louis, Mo.?] : Monsanto, 1989. 1 videocassette (ca. 30 min.) : sd., col. ; 1/2 in. + 1 manual + 1 quiz + 1 set of answer and discussion sheets. -- Dealer environmental training & information library series ; 3.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* Monsanto's D.E.T.A.I.L. 3 covers safe and proper handling of agricultural chemicals. The workbook discusses pesticide regulations and labels, material safety data sheets (MSDS), reducing exposure and protecting the environment. This kit consists of a videotape, an illustrated workbook, and multiple choice quiz questions and answers.

*NAL Call No.:* Videocassette no.700

### Safe practices in the use and handling of Fumitoxin.

Pestcon Systems, Inc.

[Des Moines, Iowa] : Pestcon Systems, Inc, [1988?]. 1 v. (unpaged) : ill. ; 28 cm.

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC fumigation; PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* This ready reference manual produced by PESTCON SYSTEMS INC. compiles FUMITOXIN fumigant labels and its Material Safety Data Sheet in individual clear plastic covers.

It emphasizes safe handling and application practices in the use of this restricted pesticide for stored, processed, manufactured product pest control.

*NAL Call No.:* SB952.5.S32

### Site assessment : where do I stand?

Monsanto Company.

[St. Louis, Mo.?] : Monsanto, 1989. 1 videocassette (ca. 30 min.) : sd., col. ; 1/2 in. 1 manual + 1 checklist. -- Dealer environmental training & information library series ; 2.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* This farsighted Monsanto module D.E.T.A.I.L. 2 assists agricultural chemical dealers in assessing their facility's site compliance with current and anticipated regulatory requirements. This module also offers guidelines for planning changes to meet regulations and improve efficiency or for planning new facilities. A videotape, a manual and a site assessment checklist comprise this kit.

*NAL Call No.:* Videocassette no.699

### The standard pesticide user's guide.

Bohmont, Bert L.

Rev. and enl.

Englewood Cliffs, N.J. : Prentice hall, c1990. xii, 498 p. : ill. ; 25 cm.

*Place of publication:* New Jersey. *Language:* English.

*Descriptors:* PATC general public and homeowners; PATC pesticide dealers and distributors; PATC reference

*Abstract:* This manual contains information on: pesticides; insects, plant disease agents, vertebrate pests, and weeds; pesticide laws, liability, and record keeping; pesticide labels; safety; and environmental considerations. Additionally, application equipment and calibration; transportation, storage, decontamination and disposal; and integrated pest management (IPM) are discussed. Contains a glossary, pesticide information telephone numbers, and an index of common pesticide classifications,

## PATC pesticide dealers and distributors

names and trade names. For pesticide applicators (particularly commercial applicators), dealers, consultants, golf course superintendents, grounds maintenance supervisors, tree nursery managers and the general public.

*NAL Call No.:* SB951.B584 1990

### **Supplementary South Carolina training manual for pesticide dealers.**

Kissam, J. B.

Clemson University. Cooperative Extension Service.

[Clemson, S.C. : Clemson University, Cooperative Extension Service, 1977?]. iii, 62 p. : ill. ; 28 cm. -- Pesticide training series.

*Place of publication:* South Carolina. *Language:* English.

*Descriptors:* PATC pesticide dealers and distributors

*Abstract:* This preparatory manual for individuals seeking pesticide dealer certification in South Carolina explains the licensing requirements, provisions, penalties, and restricted use pesticide sales and record keeping procedures specified under the South Carolina Pesticide Control Act of 1975. An overview of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) is provided. One section outlines U.S. Department of Transportation (DOT) regulations governing transportation of pesticides (classified as hazardous wastes) in South Carolina. Shipper, distributor and carrier responsibilities are identified. Additional topics covered are procedures for fighting pesticide fires, cleaning up spills and decontamination and the toxicology and characteristic pesticide poisoning symptoms of the major pesticide chemical groups.

*NAL Call No.:* SB950.2.S6S7

### **Whip rice aerial application handbook.**

Hoechst-Roussel Agri-Vet Company.

Somerville, N.J. : Hoechst-Roussel Agri-Vet Company, [1988?]. 1 v. (various pagings) : ill., col. maps ; 30 cm.

*Place of publication:* New Jersey. *Language:* English.

*Descriptors:* PATC private sector produced mate-

rial; PATC plant agricultural pest; PATC aerial pest control; PATC pesticide dealers and distributors

*Abstract:* This manual for aerial applicators of pesticides presents a technical overview of rice production and proper application techniques for Whip IEC Herbicide. It includes sections on rice insect pest and weed identification and control; nozzles and strainers; and spray drop formation, drift and coverage. A weed seedling identification booklet, rice herbicide labels, and section review questions are provided.

*NAL Call No.:* SB951.4.W43



## PATC plant agricultural pest

### PATC plant agricultural pest

#### **The 1/128th of an acre calibration method broadcast spraying.**

University of Florida. Institute of Food and Agricultural Sciences.

[Gainesville, Fla. : IFAS, University of Florida, 1987?]. 1 portfolio : ill. ; 28 cm.

*Place of publication:* Florida. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC demonstration, research

*Abstract:* Florida's pesticide applicator calibration training program on the 1/128th of an acre method includes lecture notes, overhead masters, worksheets and a fact sheet with calibration formulas, problems and solutions.

*NAL Call No.:* SB953.O5

#### **1988 Illinois commercial tree fruit spray schedules.**

Ries, S. M.

University of Illinois at Urbana-Champaign. Cooperative Extension Service.

[Urbana, Ill.] : Cooperative Extension Service, University of Illinois at Urbana-Champaign, [1988]. 40 p. ; 28 cm.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This guide for commercial tree fruit growers includes 1988 Illinois tree fruit spray schedules and pesticide recommendations for apple, peach, cherry, pear and plum crops. It provides information on fungicide, insecticide and miticide harvest restrictions, mouse and weed control, growth regulators, chemical thinning, pesticide handling, safety, and Integrated Pest Management (IPM).

*NAL Call No.:* SB608.F8N56

#### **1988 row crop weed control guide.**

McGlamery, M. D.

University of Illinois at Urbana-Champaign.

Cooperative Extension Service.

Urbana, Ill. : University of Illinois at Urbana-Champaign, College of Agriculture, Cooperative Extension Service, [1987]. 24 p. ; 23 cm. -- Circular (University of Illinois at Urbana-Champaign. Cooperative Extension Service) ; 1277.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This annually revised guide on row crop weed control provides information on herbicide incorporation, combinations, and rates; postemergence herbicides; herbicides recommended for corn, soybeans, and sorghum; herbicides for specific weed problems; integrated pest management (IPM) programs for weed control; and safety precautions for handling and applying herbicides.

*NAL Call No.:* 275.29 Il62c no.1277

#### **1988 weed control in small grains, pastures, and forages.**

Curran, W. S.

University of Illinois at Urbana-Champaign. Cooperative Extension Service.

Urbana, Ill. : University of Illinois at Urbana-Champaign, College of Agriculture, Cooperative Extension Service, [1987]. 9 p. : ill. ; 23 cm. -- Circular (University of Illinois at Urbana-Champaign. Cooperative Extension Service) ; 1278.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* Specific herbicide recommendations for controlling weeds in small grains, pastures and forages, their broadcast rate/acre, remarks concerning and restrictions governing their use and ratings of their effectiveness are provided in this annually revised guide. Integrated pest management (IPM) concepts and safe herbicide handling and application practices are discussed.

*NAL Call No.:* 275.29 Il62c no.1278

#### **1990 commercial peach : insect, disease, nematode, and weed control recommendations.**

[Auburn, Ala.] : Alabama Cooperative Extension Service, Auburn University, 1990.



## PATC plant agricultural pest

*Place of publication:* Alabama. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This Alabama circular is for pesticide applicators treating insects, diseases, nematodes and weeds affecting commercial peach trees. Use of recommended fungicides, bactericides and insecticides are suggested for treatment and control. Mixtures, formulations and comments about each suggested treatment are given.

*NAL Call No.:* S544.3.A2C47 no.8

### **1990 commercial pecan : insect, disease, and weed control recommendations.**

[Auburn, Ala.] : Alabama Cooperative Service, Auburn University, 1990.

*Place of publication:* Alabama. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This integrated pest management ready reference guide is designed to aid Alabama pesticide applicators treating pests of commercial pecan trees. Insecticides, formulations, application instructions and remarks for controlling each pest are included.

*NAL Call No.:* S544.3.A2C47 no.27

### **1990 insecticide recommendations for Arkansas.**

Johnson, Donald R.; Jones, Bill F.  
University of Arkansas, Fayetteville. Cooperative Extension Service; United States. Dept. of Agriculture.

[Fayetteville, Ark.] : Cooperative Extension Service, University of Arkansas, [1990?]. 135 p. : ill. ; 28 cm.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC institutional, structural pest control; PATC aerial pest control; PATC demonstration, research

*Abstract:* This guide contains 1990 insecticide recommendations for Arkansas for insect pests of specific animals, field crops, fruit and nuts, and

vegetables. Additionally, it lists suggested insecticides for recreation areas, flowers, trees and shrubs, turfgrass, golf courses, commercial Christmas trees, and household pests. It provides basic information about insecticides, calibration, and addresses and telephone numbers of Poison Control Centers in Arkansas.

*NAL Call No.:* SB950.2.A82J6

### **1990 soybean : insect disease, nematode and weed control recommendations.**

[Auburn, Ala.] : Alabama Cooperative Extension Service, Auburn University, 1990.

*Place of publication:* Alabama. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This Alabama circular is designed to aid the pesticide applicator in the effective and economical control of soybean pests. Insects, diseases, nematode and weed control recommendations are cross referenced with formulations, timing suggestions and comments. Includes soybean management checklist.

*NAL Call No.:* S544.3.A2C47 no.413

### **1991 commercial vegetable production recommendations : Pennsylvania.**

Orzolek, M. D.

Pennsylvania State University. Cooperative Extension Service.

University Park, Pa. : Penn State Cooperative Extension, Pennsylvania Agricultural Experiment Station, Pennsylvania State University, [1991]. 136 p. ; 28 cm.

*Place of publication:* Pennsylvania. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This guide for the commercial vegetable grower provides general production and specific crop recommendations designed to facilitate decision-making about the proper choice of variety, application, pesticide, equipment, fertilizer, and cultural practice. Respiratory protective devices, groundwater protection, pesticide toxicity and formulations are discussed. Includes abbreviations, numerous tables, resource materials, addresses and

## PATC plant agricultural pest

telephone numbers of Pennsylvania poison control centers.

*NAL Call No.:* SB950.2.P4N5 1991

### **Aerial application handbook for applicators.**

Kuhlman, Dennis K.

Kansas State University. Cooperative Extension Service.

Manhattan, Kan. : Cooperative Extension Service, Kansas State University, 1981. 72, [1] p. : ill. ; 28 cm. -- MF (Kansas State University. Extension Service) ; 622.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest; PATC right-of-way pest control; PATC industrial pest control; PATC forest pest control

*Abstract:* Intended for aerial applicators, this handbook provides the keys to efficient and effective use of plant protection products by aerial application. Major topics include calibration, drift prevention, Integrated Pest Management (IPM) implementation, and medical aspects of pesticides. The appendix contains application and calibration formulas, and toxicity charts for fungicides, herbicides, and insecticides.

*NAL Call No.:* S544.3.K2K3 no.622

### **Agricultural crop disease control.**

Nyvall, Robert F.

Rev. Aug. 1984.

Ames, Iowa : Cooperative Extension Service, Iowa State University, [1984]. 11 p. ; 28 cm.

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This Iowa manual is for individuals wishing to become certified commercial pesticide applicators in the agricultural crop disease control category. This manual was designed to be used with the Iowa Core Manual--Apply Pesticides Correctly. The causes of plant diseases and methods of disease control are covered. Charts covering corn, soybean, alfalfa, oat and wheat diseases contain treatment recommendations. A self-study

worksheet of questions covering information included in the Agricultural Crop Disease Control Manual, the Corn and Soybean Disease pamphlets and the Ergot and Loose Smut of Oats Information Sheets.

*NAL Call No.:* SB950.2.I8N89 1984

### **Agricultural insect control : category 1B.**

Stockdale, Harold J.

Iowa State University. Cooperative Extension Service. Rev. February 1984.

Ames, Iowa : Cooperative Extension Service, Iowa State University, 1984. 20 p., [8] p. of plates : ill. (some col.) ; 28 cm.

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This manual is for individuals in Iowa who wish to become certified commercial pesticide applicators in the Agricultural Insect Control category. The manual supplements the Iowa Core Manual. Integrated pest management techniques using cultural, mechanical, biological, and chemical control strategies are stressed. Crop specific and common control strategies are recommended for corn, soybean and alfalfa pests as well as general agricultural pests. Consideration is given to ecological concerns and chemical hazards such as phytotoxicity, pesticide residues, water contamination and insect resistance to treatment. Color photographs aid the applicator in identifying pests.

*NAL Call No.:* SB950.2.I8S7 1984

### **Agricultural insect pest training manual.**

Montana. Dept. of Agriculture.

Helena, Mont. : Montana Dept. of Agriculture, 1981. 81 p. : ill. ; 28 cm.

*Place of publication:* Montana. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This study guide for applicators controlling insect pests in crops provides basic information on insect identification, insect management concepts, and safe use of insecticides. Insects that may become pests in Montana's common crops are discussed and current control methods are listed.

*NAL Call No.:* SB950.2.M9A4



## PATC plant agricultural pest

### **Agricultural plant.**

Brown, Steven L.

Alabama Cooperative Extension Service.

[Auburn, Ala.] : Alabama Cooperative Extension Service, Auburn University, [1985?]. 64 p. : ill. ; 28 cm. -- Circular ANR ; 432.

*Place of publication:* Alabama. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest

*Abstract:* This Alabama Commercial Pesticide Applicator manual, intended to be used as a study guide by individuals preparing for the certification exam on agricultural plant pest control, defines pest management and economic threshold and explains how insecticides and herbicides are classified, how they act and what influences herbicide activity. It also describes the three essential factors necessary for plant disease development, how diseases cause damage and how they are diagnosed and treated. Tips for collecting plant and soil samples submitted to the Plant Diagnostic Laboratory are listed. Includes general information on pests, their identification and control; pesticides, their toxicities, hazards, labels, and laws and regulations governing their use; applicator safety; and environmental considerations. Chapter tests and answers reinforce the study material. Lists Alabama Poison Control Centers' addresses and phone numbers.

*NAL Call No.:* S544.3.A2C47 no.432

### **Agricultural plant pest control.**

Ogg, Neil.

Clemson University. Cooperative Extension Service.

Clemson, S.C. : Clemson University, Cooperative Extension Service, 1987. iii, 44 p. : ill. ; 28 cm. -- Pesticide training series ; 1.

*Place of publication:* South Carolina. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This certification training manual provides information on insect pests, diseases and nematodes, and weed pests of agricultural crops and their control. Pesticide formulations and application; insecticides, fungicides, bactericides,

nematicides and herbicides; and problems associated with pesticides including preharvest and re-entry intervals, phytotoxicity, residues and environmental contamination are discussed.

*NAL Call No.:* SB950.2.S6A4 1987

### **Agricultural plant pest control.**

French, John C.

Reynoldsburg, Ohio : Ohio Department of Agriculture, [198-?]. 14 p. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* Insect, disease and nematode, and weed pests of agricultural crops and pesticide formulations, application, types, and problems associated with their use including pre-harvest and re-entry intervals, phototoxicity, residues and environmental contamination are discussed in this publication. Study material for commercial applicators.

*NAL Call No.:* SB950.A37

### **Agricultural plant pest control.**

Womack, Herbert.

[Rev. April, 1982].

Athens, Ga. : Cooperative Extension Service, University of Georgia, College of Agriculture, [1982].

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* The Agricultural Plant Pest Control Manual for pesticide applicators seeking certification in Georgia is designed to supplement the core pesticide applicator manual. This guide covers caterpillar, beetle and sucking insect identification and control strategies. Diseases, nematode and weed pest infestation management techniques are described. Applicator techniques are discussed for insecticides, fungicides, bactericides, nematicides and herbicides. Environmental concerns and phytotoxicity are discussed.

*NAL Call No.:* SB950.A1S62 no.8 1982

### **Agricultural plant pest control : manual 93.**

Kerr, Harold.



## PATC plant agricultural pest

[Rev.].

Columbia, Mo. : University Extension, University of Missouri, [1989]. 1 v. (various pagings) : ill. (some col.) ; 28 cm.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This study manual is for commercial applicators who are preparing for their agricultural plant pest control licensing examination in the state of Missouri. Identification of insect pests, grain pests, plant diseases and weeds, integrated pest management programs, and pesticide application methods are discussed in depth. Color plates and black and white illustrations aid in identification of pests, diseases and herbicide damage. Agriculture guides describing calibration and calculation formulas complete the manual.

*NAL Call No.:* SB950.2.M8A43 1989

### **Agricultural weed control : a guide for commercial pesticide applicators.**

Owen, Michael D.; Hartzler, Robert.

Rev. January 1990.

[Ames, Iowa] : Iowa State University Extension, 1990. 50 p. : ill. ; 28 cm.

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* Designed to be used with the Iowa State Core Manual, this commercial applicators certification training manual for agricultural weed control contains management strategies for herbicide use with row crops, small grains and legumes forages, and grass pastures. Safe and effective use of herbicides and the environmental impact of herbicide use are discussed. Federal and state laws and regulations are presented. A review and self-study worksheet is included.

*NAL Call No.:* SB612.I8F3 1990

### **Agricultural weed control : category 1A.**

Fawcett, Richard S; Buntin, Linda A.

Iowa State University. Cooperative Extension Service.

Ames, Iowa : Cooperative Extension Service, Iowa State University, 1984. 38, [12] p. : ill. (some col.)

; 28 cm.

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This manual is for individuals wishing to become certified commercial agricultural weed control pesticide applicators in Iowa. The guide is designed to supplement the Iowa Core Manual by specifically targeting weed control strategies in row crops, grain and legume forage and grass pastures. Foliar and soil herbicide effectiveness, ecological impact and toxicology are highlighted.

*NAL Call No.:* SB612.I8F3

### **Agriculture - plant : commercial pesticide applicator training manual.**

Oklahoma State University. Cooperative Extension Service.

[Stillwater, Okla.] : The Service, [1978?]. 93 p. : ill. ; 28 cm.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This training manual provides some basic biology of selected major pests in addition to information on environmental effects, equipment and calibration, and safety.

*NAL Call No.:* SB950.2.O5A432

### **Apple scab management.**

Pickel, C.; Bethell, R. S.

University of California (System). Cooperative Extension; University of California (System). Division of Agriculture and Natural Resources.

Berkeley, Calif. : Cooperative Extension, University of California, Division of Agriculture and Natural Resources, [1985?]. [4] p. : ill. ; 28 cm. -- Leaflet (University of California (System). Division of Agriculture and Natural Resources) ; 21412.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This leaflet, for growers and advisors, describes the symptoms and disease cycle of apple scab and provides management guidelines includ-

## PATC plant agricultural pest

ing cultural and chemical control. Tables provide information on temperature and moisture requirements for apple scab infection and currently registered chemicals for control of apple scab.

*NAL Call No.:* S544.3.C2C3 no.21412

### **Application technology : dedicated to the efficient, efficacious and safe application of agricultural chemicals.**

WRK Incorporated.

Manhattan, Kan. : WRK Incorporated, 1987. 1 v. (various pagings) : ill. ; 28 cm.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC private sector produced material

*Abstract:* This training workbook, developed for agricultural pesticide applicators is composed of independent instructional units on efficient, effective and safe aerial application practices. Information appears on the lefthand page and the righthand page is designed for notes, calculations and sketches. Masters for transparencies are included. Topics covered include drop formation, drift, and coverage, equipment calibration, drift prevention, safety, and container disposal.

*NAL Call No.:* SB953.A67

### **Beneficial & pest insects of cotton.**

Barnes, Gordon.

[Little Rock, Ark.?] : Cooperative Extension Service, University of Arkansas, Division of Agriculture and U.S. Dept. of Agriculture, Cooperating, [1976]. -- Leaflet (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 400.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC demonstration, research

*Abstract:* The purpose of the pamphlet is to aid cotton growers and pesticide applicators in the recognition of insects commonly found on cotton to insure proper cotton scouting and proper timing of insecticide applications for advantageous insect population control. Contains color pictures of insects beneficial to as well as insects destructive to

cotton.

*NAL Call No.:* 275.29 Ar4Le no.400

### **Boom sprayer calibration.**

Gardisser, Dennis R.

University of Arkansas, Fayetteville.

[Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture, and county governments cooperating, [1988]. 1 folded sheet (8 p.) : ill. ; 23 x 10 cm. -- EL (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 317.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC demonstration, research

*Abstract:* This leaflet explains how to calibrate boom sprayers, determine and change gallons per acre and tank mix. It includes volume and pressure guidelines for ground equipment and standard conversions.

*NAL Call No.:* 275.29 Ar4Le no.317 1988

### **The calibration of high-capacity flotation sprayers.**

Bode, Loren E.; Pearson, Stephen L.; Pitts, Mary B.; Semmler, Christina.

Urbana, Ill. : Vocational Agricultural Service, University of Illinois : Cooperative Extension, Dept. of Agricultural Engineering, University of Illinois, [198-?]. 19 p. : ill. ; 28 cm.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This manual explains how to calibrate high-capacity flotation sprayers and how to select the proper nozzle type and tip size. It discusses the characteristics of different types of spray solutions that affect the accuracy and uniformity of application, variables which affect the amount of spray material applied per acre and other requirements for precise application. Includes conversion tables.

*NAL Call No.:* S694.B62



## PATC plant agricultural pest

### California plant disease handbook and study guide for agricultural pest control advisors.

Gubler, Walter D.

University of California (System). Division of Agriculture and Natural Resources. 3rd ed.

Oakland, Calif. : Regents of the University of California, Division of Agriculture and Natural Resources : available from ANR Publications, University of California, 1986. ii, 157 p. ; 28 cm. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 4046.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC forest pest control

*Abstract:* This is a comprehensive study guide on diagnosing plant diseases, using cultural and biological control methods, using plant resistance, and using chemicals for disease control. Sections include field and forage crops, vegetable crops, tree fruit and nut crops, small fruit crops, and ornamentals. It is designed for agricultural pest control advisors, and useful to applicators and growers. A glossary and references are included.

*NAL Call No.:* SB624.C2C3 1986

### Chemical control of insects and nematodes in field and forage crops.

Landis, Douglas A.

Rev.

East Lansing, Mich. : Cooperative Extension Service, Michigan State University, [1989]. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; 1582.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC general public and homeowners

*Abstract:* This Michigan State University information bulletin is for pesticide applicators and private citizens who wish to keep abreast of the changes in chemical product regulation, environmental impact, and toxicity strengths of insecticides. New

mendations are described.

*NAL Call No.:* 275.29 M58B no.1582 1989

### Christmas tree weed control.

Elmore, Clyde L.; Donaldson, D.; Veerkamp, G. E.

University of California (System). Division of Agriculture and Natural Resources.

Oakland, Calif. : Cooperative Extension University of California, Division of Agriculture and Natural Resources, [1988?]. 9 p., [1] p. of plates : ill. ; 22 x 28 cm. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 21445.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC forest pest control

*Abstract:* This publication discusses methods of controlling weeds in Christmas tree plantings, including use of cultural methods and herbicides. Tables contain information on herbicides registered for use on Christmas trees, susceptibility of weeds to herbicides, and amounts of herbicides to use. For growers, applicators, and advisors.

*NAL Call No.:* SB428.34.U5E5

### Citrus treatment guide.

Bailey, J. Blair; Morse, Joseph G.

Oakland, Calif. : Division of Agriculture and Natural Resources, University of California, 1987. 1 v. (loose-leaf) ; 29 cm. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 2903.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This manual provides pesticide treatment guidelines for invertebrates, nematodes, plant diseases, plant growth regulators, and weeds in citrus. The 3-ring binder format facilitates inserting changes and updates. For growers, applicators, and advisors.

*NAL Call No.:* SB608.C5S67



## PATC plant agricultural pest

### **Codling moth management : use and standardization of pheromone trapping systems.**

Riedl, H.

California Agricultural Experiment Station; University of California (System). Division of Agriculture and Natural Resources.

[Berkeley, Calif.] : Agricultural Experiment Station, University of California, Division of Agriculture and Natural Resources, [1986?]. 23 p. : ill. ; 28 cm. -- Bulletin (University of California (System). Division of Agriculture and Natural Resources) ; 1918.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This publication is a report of the study of pheromones used for monitoring codling moth. It describes the effect of weather, population density, sex ratio, and age structure on the catch; compares trap design to effectiveness; discusses evaluation of mating disruption with pheromones; and includes a bibliography. For growers and advisors.

*NAL Call No.:* S39.A2C3 no.1918

### **Control insects on soybeans.**

Johnson, Donald R.

[Rev.].

[Little Rock, Ark.?] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture, and county governments cooperating, [1987?]. 14 p. : ill. ; 23 cm. -- EL (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 193.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC demonstration, research

*Abstract:* This leaflet discusses soybean scouting, insect pests and their control. Includes an illustrated identification guide to caterpillars on soybeans and 11 tables of insecticides and treatment level guidelines for control of specific soybean pests.

*NAL Call No.:* 275.29 Ar4Le no.193 1987

### **Control of cotton diseases.**

Hirrel, Marc C.; McDaniel, M. C.

University of Arkansas, Fayetteville. Cooperative Extension Service. [Rev., 10-84].

[Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture and county governments cooperating, [1984]. 1 folded sheet (8 p.) ; 23 x 10 cm. -- EL (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 168.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC demonstration, research

*Abstract:* Parasitic (seedling disease, angular leaf spot, fusarium wilt--root knot nematode complex, verticillium wilt) and nonparasitic diseases (crinkle leaf) of cotton in Arkansas and their control are discussed in this leaflet.

*NAL Call No.:* 275.29 Ar4Le no.168 1984

### **Control of diseases and insects of pecans.**

Jones, Bill F.

Rev.

[Little Rock, Ark.?] : Cooperative Extension Service, University of Arkansas, Division of Agriculture and U.S. Dept. of Agriculture, Cooperating, [1981]. -- Leaflet (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 272.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This pamphlet for pest control operators describes the diseases and insect infestations common to pecan trees in the State of Arkansas. A large pecan tree treatment/spray table suggests pesticide materials and amounts for the prevention of and/or treatment of pest infestation that coincides with the pecan tree growth cycle.

*NAL Call No.:* 275.29 Ar4Le no.272 1981

### **Corn diseases.**

Nyvall, Robert F.

Rev.

Ames, Iowa : Cooperative Extension Service, Iowa State University, [1983].

*Place of publication:* Iowa. *Language:* English.

## PATC plant agricultural pest

*Descriptors:* PATC plant agricultural pest

*Abstract:* This Iowa pamphlet is included as part of a packet for individuals wishing to become certified commercial pesticide applicators in the agricultural crop disease control category. The specific purpose of this pamphlet is to help farmers and other professional agriculturists identify some of the more common corn diseases that occur in the Midwestern United States. Each disease description includes an illustrative photograph and text describing its symptoms and control recommendations. Glossary.

*NAL Call No.:* 275.29 Io9Pa no.596 1983

### **Cotton insect management.**

Johnson, Donald R.; Kimbrough, James L.; Wall, Marvin L.

University of Arkansas, Fayetteville. Cooperative Extension Service. [Rev., 1-90].

[Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture, and county governments cooperating, [1990]. 15 p. ; 23 x 10 cm. -- EL (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 52.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC demonstration, research

*Abstract:* Scouting and treatment guidelines for controlling insect pests of cotton in Arkansas are provided in this leaflet. Includes 15 tables listing recommended insecticides and miticides, formulations and rates, and minimum days of last application to harvest.

*NAL Call No.:* 275.29 Ar4Le no.52 1990

### **Culture and care of pecan trees.**

Schaller, C. C.

Rev.

[Little Rock, Ark.?] : Cooperative Extension Service, University of Arkansas, Division of Agriculture, U.S. Dept. of Agriculture, and County Governments Cooperating, [1981]. -- Leaflet (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 552.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This pamphlet is about the culture and care of pecan trees in the state of Arkansas. It is helpful for applicators of fertilizer and pesticides. Details are given about the pecan tree growth from planting to maturity.

*NAL Call No.:* 275.29 Ar4Le no.552 1981

### **Diquat herbicide-H/A : application tips for desiccating potato vines at harvest.**

Ortho Books.

San Francisco, Calif. : Ortho, Chevron Chemical Company, c1987. 1 folded sheet (4 p.) ; 28 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC private sector produced material

*Abstract:* This brochure examines general, ground and aerial application techniques for herbicides (specifically Diquat) used to dessicate potato vines at harvest. Application tip lists, diagrams, and color photographs are included.

*NAL Call No.:* SB951.4.D52

### **Disposal of pesticide wastes and containers.**

Dewey, J. E.

Rev. 2/84.

Ithaca, N.Y. : New York State College of Agriculture and Life Sciences, [1984].

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC private core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC recertification

*Abstract:* Cornell Fact Sheet 4-132 is included in the three part recertification packet given to pesticide applicators as part of their training program by New York state. The fact sheet updates and supplements the manual and workbook, discussing the proper and safe disposal of pesticide wastes and containers. The New York State regulations for disposal are covered. New York State conservation regional offices and phone numbers, as well as solid waste engineers are included.

*NAL Call No.:* SB951.A1C67 no.4-132



## PATC plant agricultural pest

### **Economic thresholds.**

JBC Consulting Inc.

Circleville, Ohio : JBC Consulting, Inc, [198-?]. 3 p. ; 28 cm. -- Blair report.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* Economic thresholds for field corn, soybean and alfalfa insect pests are listed in this publication.

*NAL Call No.:* SB934.E2

### **Ergot.**

Nyvall, Robert F.

Ames, Iowa : Cooperative Extension Service, Iowa State University, [1984].

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This Iowa fact sheet is included as part of a packet for individuals wishing to become certified commercial pesticide applicators in the agricultural crop disease control category. The purpose of this information sheet is to help farmers and other professional agriculturists identify and control ergot.

*NAL Call No.:* 275.29 Io9Pa no.563

### **Farm chemical safety is in your hands.**

National Agricultural Chemicals Association. Rev. [Washington, D.C.] : Produced for NACA by Farmland Industries, [1989?]. 1 videocassette (12 min., 26 sec.) : sd., col. ; 1/2 in.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC animal agricultural pest; PATC plant agricultural pest; PATC demonstration, research; PATC private sector produced material

*Abstract:* This NACA videotape presents the basics for handling farm chemicals safely. It discusses toxicity and exposure using the equation "RISK = TOXICITY x EXPOSURE." The videotape demonstrates how to handle pesticides properly by

following label precautions and instructions, by selecting, wearing, and caring for appropriate protective clothing and equipment, and by practicing good hygiene habits in the field and at home.

*NAL Call No.:* Videocassette no.761

### **Field crop disease management.**

Ellett, C. Wayne.

Ohio State University. Cooperative Extension Service.

[Columbus, Ohio] : Ohio Cooperative Extension Service, Ohio State University, [1986]. [4] p. ; 28 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 631.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This bulletin discusses diseases of corn, soybeans, wheat, oats and alfalfa and summaries of management practices for controlling these diseases.

*NAL Call No.:* SB605.U5E4

### **Field crop IPM decision-making guide.**

Edwards, C. Richard.

West Lafayette, Ind. : Indiana Cooperative Extension Service, Depts. of Entomology, Botany and Plant Pathology, and Agronomy, Purdue University, 1986. 1 v. (various pagings) : ill. ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This companion volume to the IPM Scout Manual is a guide to the decision-making process involved in managing insect, nematode, and vertebrate field crop pests, diseases, and weeds. Since a multiplicity of factors affects the crop damage or potential for damage, each management decision requires a separate analysis not a prescribed solution. The growth stages of corn, soybeans, alfalfa, small grains, and grain sorghum and the life cycles of their pests are reviewed. Equipment calibration methods, soil test evaluations and fertilizer recommendations, and sampling methods are provided.

*NAL Call No.:* SB951.F552 1986

## PATC plant agricultural pest

### Field crops IPM scout manual.

Edwards, C. Richard.

West Lafayette, Ind. : Indiana Cooperative Extension Service and the Depts. of Entomology, Botany & Plant Pathology, and Agronomy, Purdue University, 1986. 1 v. (various pagings) : ill. (some col.) ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* The purpose of the Integrated Pest Management (IPM) Scout Manual is to facilitate identification and interpretation of field crop pests, diseases, herbicide injuries, and other production problems. It outlines the procedures, sampling techniques, and report forms used to monitor weeds, diseases, and insect, nematode and vertebrate pests on corn, soybeans, alfalfa, small grains, and grain sorghum. A problem diagnostic guide and a scouting calendar are included for each crop. Color illustrations of the pests, herbicide injuries, and common weed seedlings and a common equivalents and conversion factors table are provided.

*NAL Call No.:* SB951.F55

### Field crops workbook.

Anderson, Diane.

University of Illinois at Urbana-Champaign. Cooperative Extension Service.  
[Urbana, Ill.] : Cooperative Extension Service, College of Agriculture, University of Illinois, [1987?]. 23 p. ; 28 cm. -- Pesticide applicator training.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This workbook contains short answer questions and calibration problems corresponding to information in the Illinois Pesticide Applicator Training Manual 39-2, Field Crops. It includes questions on Integrated Pest Management, field crop insects, weeds and diseases, and application equipment.

*NAL Call No.:* SB950.863.I3F53

**Fruit and vegetable pest control : category 1D : a guide for commercial pesticide applicators.**

Lewis, Donald R.; Gleason, Mark; Hartzler, Robert.

Rev. August 1989.

Ames, Iowa : Iowa State University Extension, 1989. 26 p. : ill. ; 28 cm.

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* Designed to be used with the Iowa State Core Manual, this commercial applicators certification training manual for fruit and vegetable pest control contains useful information about pest management, safety precautions and hazards, environmental impacts, and phototoxicity of pesticides. There are recommended strategies for weed, insect, disease, and mouse control for fruit and vegetables. Identification of insects is aided by illustrations.

*NAL Call No.:* SB950.2.I8F7 1989

### Gossyplure-baited traps used for pink bollworm survey in Southwestern desert cotton-growing areas.

Beasley, C. A.

California Agricultural Experiment Station; University of California (System). Division of Agriculture and Natural Resources.

[Berkeley, Calif.?] : Agricultural Experiment Station, University of California, Division of Agriculture and Natural Resources, [1985]. 15 p. : ill. ; 28 cm. -- Bulletin (University of California (System). Division of Agriculture and Natural Resources) ; 1915.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This bulletin, designed for cotton growers and advisors, describes the research conducted using gossyplure-baited traps to develop a survey method for pink bollworm. The publication suggests methods to use to implement a monitoring program for pink bollworm (PBW).

*NAL Call No.:* S39.A2C3 no.1915

### Ground application equipment and equipment calibration.

Brown, Steven L.



## PATC plant agricultural pest

Alabama Cooperative Extension Service.  
[Auburn, Ala.] : Alabama Cooperative Extension Service, Auburn University, [1985?]. 12 p. : ill. ; 28 cm. -- Circular ANR ; 431.

*Place of publication:* Alabama. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest

*Abstract:* Persons desiring certification in the commercial pesticide applicator Agricultural Plant: Ground Applicator category in Alabama are required to take a Ground Applicator Test in addition to the General Standards and Agricultural Plant tests. Designed to assist individuals studying for the Ground Applicator Test, this manual identifies factors to consider when selecting ground application equipment, describes equipment components and equipment maintenance requirements, lists uses of different types of sprayers, shows which nozzles produce which spray patterns, and explains how to calibrate equipment and how to regulate the amount of pesticides applied to the target. Includes diagrams of sprayer pumps and nozzles; sample calibration problems, equations, and solutions; and tests consisting of matching, fill-in-the-blank and problem solving questions with an answer key in the back.

*NAL Call No.:* S544.3.A2C47 no.431

### Ground water and agricultural chemicals : understanding the issues.

American Soybean Association; National Corn Growers Association.

[St. Louis, Mo.?] : American Soybean Association : National Corn Growers Association, c1988. 1 videocassette (17 min., 40 sec.) : sd., col. ; 1/2 in.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* This videotape defines groundwater, identifies types of pollutants, and stresses the importance of the pesticide applicator's (the farmer's) responsibility to protect groundwater from contamination by proper application and safe use of agricultural chemicals. It demonstrates how to reduce risks of groundwater contamination by pre-

venting back siphoning, protecting existing well heads, pressure or triple rinsing of containers, using leak free containers, securing pesticides during transport and properly mixing, loading, handling and storing pesticides away from wells and water supplies.

*NAL Call No.:* Videocassette no.924

### Growers weed identification handbook.

University of California (System). Division of Agricultural Sciences.

[Berkeley, Calif.?] : Division of Agricultural Sciences, University of California, [197?- ]. 1 v. : col. ill. ; 30 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC right-of-way pest control

*Abstract:* Color photographs and descriptions of common weeds found in agricultural crops are provided. Includes photos of seedlings, mature plants, and flowers and fruit. Intended for growers, advisors, and applicators. Loose-leaf format permits easy updating.

*NAL Call No.:* SB612.C2G7

### Growers weed management guide.

Kempen, Harold M.

Fresno, Calif. : Thomson Publications, 1989. 247, 5 p. : ill. ; 28 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This integrated weed management guide for major irrigated California crops contains sections about: (1) effects of soils and irrigation on herbicides, (2) herbicide carryover, (3) herbicide use, and (4) herbicide safety. Management strategies are given for each field vegetable, orchard crop and grapes, as the aim of this book is to improve agricultural growers' weed management programs and crop safety levels. The book is designed to be used by pesticide applicators who treat agricultural crops.

*NAL Call No.:* SB612.C2K4 1989

## PATC plant agricultural pest

### **Herbicides and their properties and application.**

Whitson, Tom D.

[Laramie, Wyo.] : University of Wyoming, College of Agriculture, Dept. of Plant, Soil and Insect Sciences, UW Cooperative Extension Service, [1989].

*Place of publication:* Wyoming. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* Herbicides and their properties as well as methods to improve application of preplant, preemergence and postemergence herbicides are discussed in this Wyoming manual. Information on sprayer calibration and commercial package mixtures is provided. Conversion factors and tables for dry and liquid formulations and for pesticides required per unit area are supplied.

*NAL Call No.:* 275.29 W99B no.442.1

### **Illinois pest control handbook.**

University of Illinois at Urbana-Champaign. Cooperative Extension Service; Illinois. Natural History Survey Division.

[Urbana, Ill.] : Cooperative Extension Service, University of Illinois at Urbana-Champaign, 1986-. v. : ill. ; 28 cm.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC animal agricultural pest; PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control

*Abstract:* The Illinois Pest Control Handbook, a compilation of detailed information on pests (insects, plants, animals, fungi, and nematodes) and pesticides (herbicides, insecticides, fungicides, nematicides and restricted-use pesticides), informs the applicator how to develop strategies for integrated pest management. It covers pests of field crops and livestock, vegetable crops, ornamentals and turf, homes, yards, and gardens. Many tables cross reference pest problems with recommended pest management guidelines which include control

methods instructions, pesticides and treatments. The handbook is revised annually.

*NAL Call No.:* SB950.2.I3I46

### **Indiana commercial small fruit spray schedules 1986.**

Matthew, David L.

Purdue University. Cooperative Extension Service. West Lafayette, Ind. : Cooperative Extension Service, Purdue University, [1986?]. 18 p. ; 28 cm. -- ID (Purdue University. Cooperative Extension Service) ; 169.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This guide for commercial small fruit growers includes 1986 Indiana spray schedules and pesticide recommendations for grape, blueberry, strawberry, raspberry and blackberry crops. Pesticide handling and safety, Integrated Pest Management (IPM), harvest restrictions, and chemical weed control are discussed.

*NAL Call No.:* 275.29 In2Id no.169

### **Indiana commercial tree fruit spray schedules 1986.**

Matthew, David L.

Purdue University. Cooperative Extension Service. West Lafayette, Ind. : Cooperative Extension Service, Purdue University, [1986?]. 37 p. ; 28 cm. -- ID (Purdue University. Cooperative Extension Service) ; 168.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This guide for commercial tree fruit growers includes 1986 Indiana tree fruit spray schedules and pesticide recommendations for apple, peach, cherry, pear and plum crops. It provides information on mite, mouse and weed control, growth regulators, chemical thinning, pesticide handling, safety, and Integrated Pest Management (IPM).

*NAL Call No.:* 275.29 In2Id no.168



## PATC plant agricultural pest

### **Influence of application technique on insecticidal control of corn rootworm in three tillage systems.**

Tollefson, J. J.; Hein, G. L.; Oleson, J. D.  
[United States : s.n, 1987?]. [3] p. : col. ill. ; 28 cm.

*Place of publication:* United States (state is not known). *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* Results of several Iowa corn rootworm control studies using Amaze and LORSBAN insecticides show the most effective placement for non-phytotoxic granular corn root worm insecticides to be in a 17.5-cm. band in front of the press wheel for all tillage. Photographs and charts highlight the results clearly.

*NAL Call No.:* SB608.M2T6

### **Insect and disease control study packet.**

Pasic, Brian; Maloy, Otis C.  
Washington State University. Cooperative Extension.  
Pullman, Wash. : Cooperative Extension, College of Agriculture & Home Economics, Washington State University, 1984-1986. 2 v. : ill. ; 28 cm. -- MISC (Washington State University. Cooperative Extension) ; 0057; EB (Washington State University. Cooperative Extension) ; 1239.

*Place of publication:* Washington. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* The Insect and Disease Control Study Packet contains a study manual and a plant diseases publication. The manual provides information on nonchemical, chemical and integrated pest management (IPM) approaches to control insects and diseases of agricultural crops. Discussions of insects, insecticides and fungicides are included. Plant diseases, their recognition and diagnosis, disease causing organisms, and different types of pesticides used to control them are covered in the other publication.

*NAL Call No.:* SB950.2.W2I5

### **Insect pest management for sunflower.**

McBride, Dean K.

Fargo, N.D. : Cooperative Extension Service, North Dakota State University, [1985].

*Place of publication:* North Dakota. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This North Dakota Extension Bulletin examines biological, cultural, physical and chemical control methods of sunflower pests. Designed as a quick reference guide for growers, crop consultants, field scouts and pesticide applicators, it identifies and describes cutworms, sunflower beetle, sunflower bud moth, sunflower maggots, sunflower stem weevil, thistle caterpillar, sunflower seed weevils, sunflower moth, head clipper weevil and sunflower midge. Special attention is given to the protection of honeybees and the toxicity of pesticides to honeybees.

*NAL Call No.:* S544.3.N9N6 no.28

### **Insect pests of field crops.**

Wilson, Harold R.  
[Columbus, Ohio] : Ohio Cooperative Extension Service, Ohio State University, 1989. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 545.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This bulletin contains information on insect pests of corn, soybeans, alfalfa, and small grains for assessing pest populations, insecticides recommended for these pests, and pesticide handling and safety. Includes list of Ohio and surrounding state poison control centers.

*NAL Call No.:* 275.29 Oh32 no.545

### **Insecticide recommendations for tobacco beds and fields, 1984.**

Townsend, L. H.  
University of Kentucky. Cooperative Extension Service.  
Lexington, Ky. : University of Kentucky, College of Agriculture, Cooperative Extension Service, [1984?]. [6] p. ; 28 cm.

*Place of publication:* Kentucky. *Language:* English.

## PATC plant agricultural pest

*Descriptors:* PATC plant agricultural pest

*Abstract:* Prepared as a guide, this publication contains insecticide recommendations for tobacco beds including pre-seeding, post-seeding, and soil treatments and for tobacco fields to control aphids, budworms, cutworms, flea beetles, grasshoppers and hornworms.

*NAL Call No.:* SB608.TTT68

### **Insecticides and miticides registered for the interior plantscape in Massachusetts, 1988.**

Van Driesche, R. G.; Jenkins, J.  
University of Massachusetts (Amherst campus). Cooperative Extension Service; University of Massachusetts at Amherst. College of Food and Natural Resources; United States. Dept. of Agriculture. [Amherst, Mass.] : Cooperative Extension, University of Massachusetts, [1988]. [4] p. ; 28 cm.

*Place of publication:* Massachusetts. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control

*Abstract:* The agency sponsoring this publication is the Pesticides Program in the Department of Entomology. This publication identifies specific insecticides and miticides registered for interior plantscapes in Massachusetts, reporting toxicity data and defining related terminology.

*NAL Call No.:* SB951.5.V3

### **Integrated pest management.**

University of Wisconsin-Madison. Dept. of Agricultural Journalism; University of Wisconsin-Extension. Cooperative Extension Service; Allied Film Laboratory.

Chicago, Ill. : Allied Film Laboratory, 1984. 1 videocassette (22 min.) : sd., col. ; 1/2 in.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* Describes ways of reducing the use of pesticides which might have a harmful effect on the environment, while at the same time controlling

insects, disease, and weeds in crops. Shows three pest management practices: monitoring crops, the use of weather information, and the potential of plant breeding.

*NAL Call No.:* Videocassette no.939

### **Integrated pest management for almonds.**

University of California Integrated Pest Management Program. IPM Manual Group.

[Davis, Calif.] : University of California, Statewide Integrated Pest Management Project, Division of Agriculture and Natural Resources, n985. 156 p. : ill. (some col.) ; 28 cm. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 3308.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* Designed for California almond growers and advisors, this manual thoroughly examines comprehensive guidelines for integrated pest management in almonds. It contains sections on almond development and growth, pest monitoring, pest identification, and pest and disease management methods. Monitoring forms, pest and disease photos, and a glossary are included.

*NAL Call No.:* SB401.A65I5

### **Integrated pest management for cole crops and lettuce.**

University of California Integrated Pest Management Program. [1987 ed.].

Oakland, Calif. : University of California Statewide Integrated Pest Management Project, Division of Agriculture and Natural Resources, 1987. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 3307.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* Comprehensive guidelines to managing pests in cole crops and lettuce are presented in this manual for growers and advisors. Major topics include cole crops and lettuce development and growth; recognition of insect, nematode, and ver-



## PATC plant agricultural pest

tebrate pests, weeds, diseases, and abiotic disorders; and integrated pest management methods. It contains many colored photos, tables, and a glossary.

*NAL Call No.:* SB608.C67I58 1987

### **Integrated pest management for Connecticut sweet corn.**

Adams, Roger G.

Storrs, Conn. : Cooperative Extension Service, College of Agriculture and Natural Resources, University of Connecticut, [1988].

*Place of publication:* Connecticut. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This manual is for farmers and pesticide applicators using integrated pest management (IPM) methods in Connecticut. Pest monitoring using blacklight traps and pheromone traps is suggested for accurate pest identification. Specific corn pests most likely to be found in Connecticut are described and integrated management strategies are suggested. Protection of honeybees is one of the IPM goals.

*NAL Call No.:* 275.29 C76B no.88-12

### **Integrated pest management for potatoes in the Western United States.**

Western Regional IPM Project (U.S.).

Oakland, Calif. : University of California, Division of Agriculture and Natural Resources, 1986. -- Western regional research publication : ; 011.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This manual, intended for growers and pest control advisors, presents comprehensive guidelines for integrated pest management of potato crops. Topics covered include potato plant growth and development; identification of insects and related pests, nematodes, vertebrate pests, weeds, diseases, and physiological disorders; pest monitoring; and management methods. Color photographs of pests and their damage, charts and forms for field monitoring, and a glossary are provided.

*NAL Call No.:* SB608.P8I58

### **Integrated pest management for tomatoes.**

University of California Integrated Pest Management Program. 2nd ed.

Berkeley, Calif. : Division of Agricultural Sciences, University of California, 1985. 104 p. : ill. (some col.) ; 28 cm. -- Publication (University of California (System). Division of Agricultural Sciences) ; 3274.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* Comprehensive guidelines for integrated management of pests in tomatoes are presented. This publication covers tomato plant growth and development, pest and disease identification, pest monitoring, and management methods. Tomato growers and advisors will benefit from organizational aids--field monitoring report and weed infestation record; identification aids--photos of pests and diseases and their damage; and a glossary.

*NAL Call No.:* SB608.T75I57 1985

### **Integrated pest management for walnuts.**

University of California Integrated Pest Management Program; University of California (System). Division of Agriculture and Natural Resources. 2nd ed.

Berkeley, Calif. : University of California, Statewide Integrated Pest Management Project, Division of Agriculture and Natural Resources, 1987. 96 p. : ill. (some col.) ; 28 cm. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 3270.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* Intended for walnut growers and advisors, this publication provides comprehensive guidelines for integrated pest management in walnuts. It includes sections on walnut tree development and growth, pest monitoring, pest identification, and cultural, biological and chemical management methods. Photographs of vertebrate, insect and

## PATC plant agricultural pest

mite pests, diseases, nematodes and weeds aid in their identification. Lists of common and scientific names of pests, a pictorial key to walnut damage symptoms, and a glossary are useful features.

*NAL Call No.:* SB608.W32I57 1987

### **The law and regulations on licensing pest control operators : a handbook for commercial pest control operators.**

Arkansas. State Plant Board; Arkansas. Arkansas pest control law. Rev.

Little Rock, Ark. : State Plant Board, Pest Control Section, 1984. 27 p. : ill. ; 22 cm. -- Circular (Arkansas. State Plant Board) ; 6.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC fumigation

*Abstract:* The Arkansas Pest Control Law and the regulations of the State Plant Board for licensing pesticide control applicators are the contents of this handbook. The 1985 regulation changes are attached separately.

*NAL Call No.:* KFA3882.I5A3 1984

### **Loose smut of oats.**

Nyvall, Robert F.

Ames, Iowa : Cooperative Extension Service, Iowa State University, [1979].

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This Iowa fact sheet is included as part of a packet for individuals wishing to become certified commercial pesticide applicators in the agricultural crop disease control category. The purpose of this information sheet is to help farmers and other professional agriculturists identify and control loose smut of oats.

*NAL Call No.:* 275.29 Io9Pa no.830

### **Midwest tree fruit handbook.**

Hayden, R. A.

Purdue University. Cooperative Extension Service. West Lafayette, Ind. : Purdue University Cooperative Extension Service, [1989]. ii, 41 p. ; 28 cm. -- Bulletin (Purdue University. Cooperative Extension Service) ; 506-A.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This tree fruit production guide for Midwestern fruit growers, designed to be used with annually revised state spray schedules and with fruit newsletters, provides information on production practices and pest control. It covers pesticide safety and handling, sprayer application and calibration, orchard weeds and grasses, tree fruit diseases, insects and mites, wildlife control, growth regulators and spray adjuvants, and fruit pollination.

*NAL Call No.:* SB608.F8M52

### **[Miscellaneous study materials for commercial applicators].**

Arkansas. State Plant Board.

[Little Rock, Ark. : The Board, 1976?]. v. : ill. ; 23-36 cm.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC fumigation

*Abstract:* This compilation of materials for persons desiring a license for Pest Control Service work in Arkansas includes: Arkansas State Plant Board Application for Pest Control Examination; some specific category requirements; notification of a regulation change; and various publications on food processing, structural, ornamental, turfgrass and forest pest control, rats and fumigation.

*NAL Call No.:* SB952.863.A82M5

### **[Miscellaneous study materials for commercial applicators].**

Ohio. Dept. of Agriculture Laboratories.

[Columbus, Ohio : The Department, 1959-]. v. : ill. ; 28 cm.



## PATC plant agricultural pest

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC forest pest control; PATC public health pest control; PATC fumigation; PATC seed treatment; PATC demonstration, research

*Abstract:* These commercial applicator study materials include: general core information on Ohio pesticide regulations, Poison Control Centers, pesticide safety and toxicity, and groundwater protection; and information pertaining to the control of plant agricultural, forest, ornamental, turf, vertebrate (bird), structural (termite), public health (mosquito) and stored grain pests; fumigation; seed treatment; and demonstration and research.

*NAL Call No.:* SB952.863.O3M5

### **Ohio vegetable production guide.**

Ohio State University. Cooperative Extension Service.

[Columbus, Ohio?] : Ohio Cooperative Extension Service, Ohio State University, c1988. 125 p. : maps ; 28 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 672.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* Designed for vegetable producers, this guide provides information on pesticide recommendations, toxicity, formulations, application, storage, disposal, and safety. It covers disease, insect, and weed control for major vegetable crops grown in Ohio. Additional information on soil testing, fertility, management and irrigation, mulches and forest control is included. This guide contains appendices on fungicide/nematicide references, herbicide formulations, and herbicide effectiveness.

*NAL Call No.:* 275.29 OH32 no.672 1988

### **Pattern your AG spray plane.**

Huitink, Gary.

University of Arkansas, Fayetteville. Cooperative

Extension Service; United States. Dept. of Agriculture.

[Fayetteville, Ark.] : Cooperative Extension Service, University of Arkansas Division of Agriculture, [1980?]. 12 p. : ill. ; 28 cm.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control

*Abstract:* This publication for aerial applicators explains how to perform a quick spray pattern test method using a visual analysis technique to estimate spray uniformity, droplet size, and effective swath width and thereby improve pesticide deposition.

*NAL Call No.:* SB953.H84

### **Pest management principles for the commercial applicator : field & vegetable crop pest control study guide.**

Doersch, R. E.

2nd ed.

[Madison, Wis. : University of Wisconsin-Extension, 1988]. 38 p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest

*Abstract:* This study guide accompanies "Pest management principles for the commercial applicator : field and vegetable crop pest control." It contains multiple choice questions and answers on a variety of subjects including pesticide regulations, formulations, safety, application principles, and resistance to pesticides.

*NAL Call No.:* SB950.2.W5P4732 1988

### **Pest management principles for the commercial applicator : fruit crop pest control.**

Mahr, Daniel L.

University of Wisconsin--Extension. 2nd ed.

[Madison, Wis. : University of Wisconsin--Extension, 1989]. viii, 222 p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

## PATC plant agricultural pest

*Descriptors:* PATC commercial core training; PATC plant agricultural pest

*Abstract:* Training manual for commercial pesticide applicators in the fruit crop pest control category. Major topics: pest management principles for weed, insect, and disease control; toxicity of pesticides; protecting human health and the environment; disposal; application equipment and calibration; and label information.

*NAL Call No.:* SB950.2.W5P47 1989

### **Pest management principles for the commercial applicator : fruit crop pest control study guide.** Mahr, Daniel L.

University of Wisconsin--Extension. 2nd ed. [Madison, Wis. : University of Wisconsin--Extension, 1989]. 32 p. : ill. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest

*Abstract:* This study guide accompanies "Pest management principles for the commercial applicator : fruit crop pest control." It contains multiple choice questions and answers on subject matter presented in the training manual.

*NAL Call No.:* SB950.2.W5P472 1989

### **Pest management principles for the Wisconsin farmer.**

Doersch, R. E.

2nd ed.

[Madison, Wis. : University of Wisconsin--Extension, 1988]. vii, 269 p. : form ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC private core training; PATC plant agricultural pest

*Abstract:* Training manual for private pesticide applicators. Major topics: application of pest management principles for agricultural weed, insect, and disease control; toxicity of pesticides; protecting human health and the environment; disposal; equipment calibration; IPM practices; and label information.

*NAL Call No.:* SB950.2.W5P48 1988

### **Pest management principles for the Wisconsin farmer : study guide.**

Doersch, R. E.

2nd ed.

[Madison, Wis. : University of Wisconsin--Extension, 1988]. 41 p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC private core training; PATC plant agricultural pest

*Abstract:* This study guide accompanies "Pest management principles for the Wisconsin farmer." It contains multiple choice questions and answers on a variety of subjects including laws and regulations, formulations, safety, application principles, and resistance to pesticides.

*NAL Call No.:* SB950.2.W5P482 1988

### **Pesticide application and safety training study guide : agricultural plant diseases.**

Colorado. Division of Plant Industry; Colorado State University. Cooperative Extension Service. Rev. 10-90.

Denver, Colo. : Colorado Dept. of Agriculture, Division of Plant Industry, 1990. [ii]. 42 p. : ill. ; 28 cm.

*Place of publication:* Colorado. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This Colorado study guide/manual contains the educational information needed by the pesticide applicator to pass the written state licensing examination in the agricultural plant diseases category. The manual teaches the recognition of plant diseases and the determination of the type of disease with detailed illustrations and descriptions. Plant disease management control strategies using biological, mechanical and chemical control agents is suggested. The major crop diseases found in Colorado are stressed. Safety strategies, first aid treatments and environmental concerns are addressed. Calibration tables and formulas are given. Colorado State Extension Service Offices' addresses and telephone numbers are listed. The Rocky Mountain Poison Control Center Toll Free telephone number is listed. A glossary and current



## PATC plant agricultural pest

supplementary reading list are included.

*NAL Call No.:* SB950.2.C6P47 1990

### **Pesticide application and safety training study guide : agricultural-insects.**

Metro-Pest Management Consultants, Inc; Colorado. Division of Plant Industry. Rev. 12-90. Denver, Colo. : Colorado Dept. of Agriculture, Division of Plant Industry, [1990]. 82 p. : ill. ; 28 cm.

*Place of publication:* Colorado. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This Colorado study guide/manual contains the educational information needed by the pesticide applicator to pass the written state licensing examination in the agricultural-insects category. The manual examines farming practices and integrated pest management techniques that include preventative, biological, mechanical, legal, cultural, reproductive and chemical control. Insect pests are listed alphabetically, described by damage and illustrated, and possible suggestions for effective control are provided to aid the applicator with identification and treatment selection. Monitoring guidelines and scouting methods are suggested. Special considerations of pesticide use discussed include phytotoxicity, drift, and persistence. Application techniques and equipment are described. Calibration tables and formulas are given. Colorado State Extension Service Offices' addresses and telephone numbers and the Rocky Mountain Poison Control Center toll free telephone number is listed. A glossary and a current supplementary reading list are included.

*NAL Call No.:* SB950.73.U52C67 1990

### **Pesticide application and safety training study guide : agricultural-weeds.**

Colorado. Division of Plant Industry; Metro-Pest Management Consultants, Inc. [Denver, Colo.] : Division of Plant Industry, [1981]. 30, 3, 6 p. : ill. ; 28 cm.

*Place of publication:* Colorado. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This Colorado study guide/manual con-

tains the educational information needed by the pesticide applicator to pass the written and oral state licensing examination requirements in the agricultural-weeds category. Details concerning methods of herbicide application and application equipment are included. Factors affecting herbicides are emphasized. Safety strategies, and groundwater contamination, are addressed. Calibration tables and formulas are given. Colorado State Extension Service Offices' addresses and the Rocky Mountain Poison Control Center toll free telephone number are listed. A glossary and current supplementary reading list are included.

*NAL Call No.:* SB951.4.P46

### **Pesticide applicator recertification workbook : agricultural-plant, ornamentals and turf.**

Pendleton, R. F.; Dewey, Jerald E.; Smith, W. G. Ithaca, N.Y. : Cooperative Extension, Chemicals-Pesticides Program, New York State College of Agriculture and Life Sciences at Cornell University, [1984]. iv, 127 p. : ill. ; 28 cm.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC recertification

*Abstract:* This self-study workbook is one of the three parts of the pesticide applicator training program for commercial pesticide applicators seeking recertification in the Agricultural-Plant and/or Ornamentals and Turf category in New York State. The workbook is distributed with the Pesticide Compendia and Cornell Fact Sheet 4-132, Disposal of Pesticide Wastes and Containers. It is intended to inform the applicant of current technical and safety developments and environmental concerns and to continue to enlarge upon the information in the core and category manuals. This workbook highlights the problems of drift, groundwater contamination and honeybee protection. Calibration and spraying techniques, the affects of alkalinity on pesticides, and protective clothing are topics that are discussed. A section on greenhouse pest control completes the workbook.

*NAL Call No.:* SB965.P43

## PATC plant agricultural pest

### **Pesticide applicator training : [agricultural plant pest control].**

Purdue University.

[West Lafayette, Ind.?] : Purdue University, [198-?]. 1 v. (various pagings) : ill. (some col.) ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* The first loose-leaf pesticide applicator training manual in the Purdue University Pesticide Program is intended for preparation for certification in plant agricultural pest control. Insect and mite pests, and disease recognition on feed and small grains, hay and pastures, vegetables, fruits and nuts, and specialty crops are facilitated by pictorial guides with life history and control information. Weed identification and herbicide selection in weed control are thoroughly covered. Another major topic is sprayer equipment and calibration, reinforced by practice calibration problems. Environmental concerns addressed include controlling spray drift, cleaning sprayers, and safe pesticide handling tips.

*NAL Call No.:* SB951.P4621

### **Pesticide applicator training : [private applicator : grower version].**

Purdue University.

West Lafayette, Ind. : Purdue University, [198-?]. 1 v. (various pagings) : ill. (some col.) ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC private core training; PATC plant agricultural pest

*Abstract:* This training manual for private pesticide applicators growing agricultural commodities contains materials summarizing FIFRA's purpose, federal and state laws pertaining to private applicators of pesticides, distinctions between toxicity and hazard, chronic toxicity, proper pesticide use, storage and disposal guidelines, and liability/potential penalties for pesticide misuse/spills. It covers groundwater contaminants, run-off, controlling spray drift, and protecting honey bees. Major topics are corn rootworm management by granular soil insecticides and perennial weed control by Roundup. Restricted use pesticide specimen labels and calibration charts are in-

cluded.

*NAL Call No.:* SB951.P4636

### **Pesticide applicator training manual, category 1 : agricultural, subcategory--plant.**

Dewey, Jerald E.; Pendleton, R. F.

Rev. Jan. 1984.

Ithaca, N.Y. : Cooperative Extension, chemicals-Pesticides Program, New York State College of Agriculture and Life Sciences at Cornell University, [1984]. vii, 219 p. : ill. ; 28 cm.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This self-study training manual is designed to be used with the Northeast or EPA-USDA manual. The manual may be used in the open book agricultural pesticide certification examination. The manual details the hazards and ecological dangers of agricultural pesticide use as well as the benefits. The methods of identification and the biology of insect, disease, nematode and weed pests that affect agricultural plants are described to enable applicators to make appropriate control management decisions. Study questions accompany the manual.

*NAL Call No.:* SB950.2.A1P47 1984

### **Pesticide compendia : fungicides, herbicides, insecticides, rodenticides.**

Dewey, Jerald E.; Pendleton, R. F.; Smith, W. G. Ithaca, N.Y. : Cooperative Extension, Chemicals-Pesticides Program, New York State College of Agriculture and Life Sciences at Cornell University, [1984]. 127 p. ; 28 cm.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC private core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC recertification

*Abstract:* This compendia contains useful information relating to pesticides recommended in New York state. It is included in New York state's three part recertification packets for private pesticide applicators and for commercial pesticide applicators certified in Agricultural-Plant and/or Or-



## PATC plant agricultural pest

namentals and Turf. The purpose of the compendia is to place in one reference book the producers, formulations, restrictions, toxicity, residual, environmental and compatibility hazards of fungicides, herbicides, insecticides and rodenticides including chemical repellents available in New York state. There is an additional guide to pesticide manufacturers that includes emergency phone numbers as well as a chart of exposure and poisoning symptoms cross referenced with the chemical family and type of pesticide.

*NAL Call No.:* SB950.2.N7P476

### **Pesticide equipment.**

Gardisser, Dennis R.  
University of Arkansas, Fayetteville. Cooperative Extension Service.  
[Fayetteville, Ark.?] : Cooperative Extension Service, University of Arkansas, [198-?]. 7 p. ; 28 cm.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC right-of-way pest control; PATC aerial pest control; PATC demonstration, research

*Abstract:* The purpose of the Arkansas pesticide equipment notes is to guide highway department pesticide applicators in the selection of appropriate herbicide equipment and sprayer components and the proper calibration of sprayers. This information is also useful for growers, aerial pesticide applicators and individuals who demonstrate the use of pesticides.

*NAL Call No.:* S694.G3

### **Phytonematology study guide.**

McKenry, Michael V.; Roberts, Philip A.  
University of California (System). Cooperative Extension; University of California (System). Division of Agriculture and Natural Resources.  
Oakland, Calif. : Publications, Division of Agriculture and Natural Resources, University of California, c1985. viii, 56 p. : ill. ; 28 cm. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 4045.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control

*Abstract:* This is a required guide for the nematode category licensing of California Licensed Pest Control Advisors. It includes nematode descriptions, distribution patterns within California, damage and symptomology, methods of soil sampling, and ways to manage nematode problems. Considerable information on nematicides, including their characteristics, mode of action, and methods of application is provided. Other features are appendices, a glossary, a bibliography, many illustrations, and tables. Helpful information for growers is presented.

*NAL Call No.:* SB998.N4M32

### **Plant disease training manual.**

Montana. Dept. of Agriculture.  
Helena, Mont. : Montana Dept. of Agriculture, 1981. iii, 77 p. : ill. ; 28 cm.

*Place of publication:* Montana. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC seed treatment

*Abstract:* This study guide for commercial applicators engaged in plant disease control, fungicide application and seed treatment is designed to be used to prepare for the Ag Plant Pest examination and the Seed Treatment Examination. General information on plant diseases, principles of plant disease control, fungicides and seed treatments is provided in Part I. Important Montana plant diseases of cereal grains, potatoes, forage crops, fruit trees, sugar beets, sunflowers, rape and mustard and safflower are discussed in Part II. Includes a plant pathology glossary.

*NAL Call No.:* SB950.2.M9P5

### **Plant pest control : category 1A.**

Brooks, Leroy.  
Kansas State University. Cooperative Extension Service. Rev.  
Manhattan, Kan. : Cooperative Extension Service, Kansas State University, [1986]. 128 p. : ill. (some col.), map ; 28 cm.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This study manual for Kansas commercial pesticide applicator certification covers alfalfa,

## PATC plant agricultural pest

corn, sorghum, wheat, soybean, pasture and rangeland, vegetable and fruit pest control. Environmental concerns discussed include controlling drift, protecting bees, and preventing groundwater contamination. Color photographs of crop pests and diseases and their damage facilitate identification. Calibration examples, summary charts, and multiple choice study questions reinforce information presented.

*NAL Call No.:* SB950.2.K2P55 1986

### **Plant problem diagnosis.**

Kells, James J.

Michigan State University. Agriculture and Natural Resources Television; Michigan State University. Cooperative Extension Service.

[Ann Arbor, Mich.?] : Cooperative Extension Service, Michigan State University, c1988. 1 videocassette (18 min. 22 sec.) : sd., col. ; 1/2 in. + 1 fact sheet.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* The "Plant problem diagnosis" video goes through the steps to diagnosing plant growth problems including such problems as hail damage, herbicide injury and soil compaction.

*NAL Call No.:* Videocassette no.480

### **Private applicator certification : vegetable.**

Alm, Steven R.; Siligato, Peggy.

Rev. May 1991.

Kingston, R.I. : University of Rhode Island, Cooperative Extension, College of Resource Development, [1991]. 1 v. (unpaged) : ill. ; 28 cm.

*Place of publication:* Rhode Island. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This study packet helps prepare private applicators for certification in vegetable pest control in Rhode Island. It contains lists of: suggested references; commonly used pesticides, common vegetable insect, disease and weed pests and their non-chemical and chemical controls, and equipment which these applicators should be familiar

with; subject areas they should be proficient in; and continuing education resources. Sample labels for ethylenebisdithiocarbamate (EBDC) fungicides and an article on pest control for organic vegetable growers are included.

*NAL Call No.:* SB950.2.R4P7 1991

### **Protecting our groundwater : a grower's guide.**

Park Ridge, Ill. : American Farm Bureau Federation, [1987?]. 8 p. : ill. ; 28 cm.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC right-of-way pest control; PATC forest pest control; PATC aerial pest control; PATC demonstration, research

*Abstract:* This guide discusses the five major factors growers need to consider when applying agricultural chemicals to reduce the potential for groundwater contamination. These include following proper pesticide application practices, assessing surface water, knowing the pesticide's characteristics and potential for mobility, the soil type in the area of application, and the location of groundwater and the type of geological formations above it.

*NAL Call No.:* TD403.P76

### **Recertification manual for commercial pesticide applicators : field crop pest control, category 1a.**

Landis, Joy Neumann.

East Lansing, Mich. : Cooperative Extension Service, Michigan State University, [1989]. 42, [2] p. : ill. ; 28 cm. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; E-2159.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC recertification

*Abstract:* This review manual for commercial pesticide applicators seeking recertification in field crop pest control includes recommended pesticide treatments, pesticide safety, toxicity, storage and disposal information. There are self-study ques-



## PATC plant agricultural pest

tions at the end of each chapter. Pesticide emergency poison control center phone numbers are included.

*NAL Call No.:* 275.29 M58B no.2159

### **Recertification manual for commercial pesticide applicators : fruit pest control : category 1c.**

Landis, Joy Neumann; Olsen, Larry C.  
Michigan State University. Cooperative Extension Service. New.

East Lansing, Mich. : Michigan State University, Cooperative Extension Service, [1990]. 47 p. ; 28 cm. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; E-2161.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC recertification; PATC plant agricultural pest

*Abstract:* Developed to prepare commercial pesticide applicators of fruit pest control for recertification in Michigan, this study manual covers pest management principles, specifically management of insect, weed, disease and vertebrate fruit pests; IPM; pesticide laws/regulations, labels, toxicity, storage, disposal, and environmental effects; protective clothing and laundering of pesticide-contaminated clothing; safety; and application equipment. Includes short answer, fill-in-the-blank, multiple choice and true or false chapter review questions, and Michigan's pesticide emergency information telephone numbers.

*NAL Call No.:* 275.29 M58B no.2161 1990

### **Recertification manual for commercial pesticide applicators : vegetable pest control : category 1B.**

Landis, Joy Neumann; Grafius, Ed.  
Michigan State University. Cooperative Extension Service. New.

East Lansing, Mich. : Michigan State University, Cooperative Extension Service, [1990]. 54 p. ; 28 cm. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; E-2160.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC recertification

*Abstract:* Developed to prepare commercial pesticide applicators of vegetable pest control for recertification in Michigan, this study manual covers pest management principles, specifically integrated management of insect, weed, disease and vertebrate vegetable pests; pesticide laws/regulations, labels, toxicity, storage, disposal, and environmental effects; protective clothing and laundering pesticide-contaminated clothing; safety; and application equipment. Includes short answer, fill-in-the-blank, multiple choice and true or false chapter review questions and answer key, and Michigan's pesticide emergency information telephone numbers.

*NAL Call No.:* 275.29 M58B no.2160 1990

### **Recognition of major diseases of fruits and vegetables.**

West Virginia University. Cooperative Extension Service.

[Morgantown, W. Va.] : West Virginia University, Cooperative Extension Service, [198-?]. 106 slides, 1 videocassette, and 1 manual. -- Pesticide Applicator Training Program special project.

*Place of publication:* West Virginia. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* The West Virginia University Cooperative Extension Service developed this audiovisual program to help pesticide applicators accurately diagnose 54 major fruit and vegetable diseases that can be chemically controlled. Preferred terminology for disease descriptions suggested by surveyed vegetable growers and other pesticide applicators are incorporated into the slide script and appear in italics. This training materials package includes color slides with script, a dichotomous key to assist with correct crop and disease identification, and an accompanying video tape.

*NAL Call No.:* Kit no.95

### **Recommended chemicals for weed and brush control.**

Baldwin, Ford L.  
[Rev. ed.].

[Little Rock, Ark.?] : Cooperative Extension Service, University of Arkansas, and U.S. Dept. of

## PATC plant agricultural pest

Agriculture, and county governments cooperating, 1990. 104 p. : ill. ; 23 x 31 cm. -- MP (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 44.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC forest pest control; PATC aerial pest control; PATC demonstration, research

*Abstract:* This chart formatted publication summarizes 1990 recommendations for use of herbicides for weed and brush control in Arkansas conforming with federal and state regulations. Contains trade name cross reference chart; chart of common, chemical, and trade name, formulation and manufacturer; charts indicating crop, situation, active chemical and formulated material per broadcast acre, weeds controlled, time and method of application and precautions; herbicide response rating tables. Supporting text on herbicide application guidelines and spray additives. Highlights trial or limited use herbicides.

*NAL Call No.:* 275.29 Ar4Mi no.44 1990

### Recommended chemicals for weed and brush control.

Baldwin, Ford L.; Boyd, John W. 1949-; Tripp, Timothy. University of Arkansas, Fayetteville. Cooperative Extension Service; University of Arkansas, Fayetteville. Agricultural Experiment Station; United States. Dept. of Agriculture. [Rev. ed.]. [Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, and U.S. Dept. of Agriculture, and county governments cooperating, [1988]. 98 p. : ill. ; 23 x 31 cm. -- MP (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 44.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC forest pest control; PATC aerial pest control; PATC demonstration, research

*Abstract:* This chart formatted publication summarizes 1988 recommendations for use of her-

bicides for weed and brush control in Arkansas conforming with federal and state regulations. Contains trade name cross reference chart; chart of common, chemical, and trade name, formulation and manufacturer; charts indicating crop, situation, active chemical and formulated material per broadcast acre, weeds controlled, time and method of application and precautions; herbicide response rating tables. Supporting text on herbicide application guidelines and spray additives. Highlights trial or limited use herbicides.

*NAL Call No.:* 275.29 Ar4Mi no.44 1988

### Reentry standards adopted by EPA : effective June 10, 1974.

[United States : s.n, 1979]. [2] p. ; 28 cm.

*Place of publication:* United States (state is not known). *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This summary of Reentry Standards adopted by EPA effective June 10, 1974 which apply primarily to agricultural field workers doing hand labor includes definitions, regulations and existing standards.

*NAL Call No.:* KF3959.A35 1974

### Rice diseases and their control.

McDaniel, M. C.; Huey, Bobby A. University of Arkansas, Fayetteville. Cooperative Extension Service. [Rev.]. [Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture, and county governments cooperating, [1988]. 1 folded sheet (12 p.) ; 23 x 11 cm. -- EL (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 198.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC demonstration, research

*Abstract:* Disease causing organisms, symptoms and control of major and other rice diseases in Arkansas are covered in this leaflet.

*NAL Call No.:* 275.29 Ar4Le no.198 1988



## PATC plant agricultural pest

### Safe handling of pesticides.

Zavala, Melanie.

University of California, Davis. Visual Media.

Davis, Calif. : Visual Media, [1984?]. 115 slides : col. + 1 sound cassette (15 min.) + 1 script (21 l. ; 28 cm.).

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator; PATC plant agricultural pest

*Abstract:* This slide/tape set is aimed at the non-certified pesticide applicator, and also has information of value for the fieldworker who is exposed only indirectly to pesticides. The topics covered include modes of entry of pesticides into the body, poisoning symptoms, first aid procedures, protective clothing, common sense ways of avoiding exposure and personal hygiene. Although the slide set reflects California regulations to a certain extent, it has general information of relevance to all pesticide users.

*NAL Call No.:* Slide no.294

### Selective chemical weed control.

Ashton, Floyd M.; Harvey, W. A. 1914-.

University of California (System). Division of Agriculture and Natural Resources; California Agricultural Experiment Station. Rev.

Berkeley, Calif. : Agricultural Experiment Station, Division of Agriculture and Natural Resources, University of California, 1987. 16 p. : ill. ; 23 cm. -- Bulletin (University of California (System). Division of Agriculture and Natural Resources) ; 1919.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC forest pest control

*Abstract:* This bulletin discusses weed control as part of an IPM program. It explains ways that herbicides act on weeds, describes application methods, contains many line drawings and a glossary. Intended for use by growers, advisors, and applicators.

*NAL Call No.:* S39.A2C3 no.1919 1987

### Soybean cyst nematode.

Nyval, Robert F.

Ames, Iowa : Cooperative Extension Service, Iowa State University, [1984].

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This Iowa pamphlet is part of a packet for individuals wishing to become certified commercial pesticide applicators in the agricultural crop disease control category. This pamphlet discusses the life cycle and spread of the cyst nematode that attacks the roots of soybeans in Iowa soils. Chemical and nonchemical control recommendations are given.

*NAL Call No.:* 275.29 Io9Pa no.879

### Soybean diseases.

Nyval, Robert F.

Ames, Iowa : Cooperative Extension Service, Iowa State University, [1984]. 11 p. : col. ill. ; 28 cm. -- Extension publication (Iowa State University. Cooperative Extension Service) ; 57.

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This Iowa pamphlet is part of a packet for individuals wishing to become certified commercial pesticide applicators in the agricultural crop disease control category. The purpose of this specific pamphlet is to help farmers and other professional agriculturists identify and control soybean diseases. Each disease description includes an illustrative photograph and accompanying control recommendations.

*NAL Call No.:* SB608.S7S59

### Study guide for rangeland pest control.

Colorado. Division of Plant Industry; Colorado State University. Cooperative Extension Service. Rev. 12/90.

Denver, Colo. : Colorado Dept. of Agriculture, Division of Plant Industry, [1990]. 45 p. : ill. ; 28 cm.

*Place of publication:* Colorado. *Language:* English.

## PATC plant agricultural pest

*Descriptors:* PATC plant agricultural pest

*Abstract:* This Colorado study guide/manual contains the educational information needed by the commercial pesticide applicator to pass the written state licensing examination in the rangeland pest control category. Rangeland pests discussed in this manual are grasshoppers, black grass bugs, the Mormon cricket, caterpillars, locoweeds, prickly pear, knapweeds, bindweed, broom snakeweed, leafy spurge, thistles, larkspur and sagebrush. Effective application procedures include aerial application of pesticides and herbicides. Safety strategies, first aid treatments and environmental concerns, including drift and groundwater contamination, are addressed. Calibration tables and formulas are given. Colorado State Extension Service Offices' addresses and telephone numbers and the Rocky Mountain Poison Control Center toll free telephone number are listed. A glossary and illustrated weed identification guide are included.

*NAL Call No.:* SB950.2.C6S78 1990

### [Study materials for pesticide applicator certification].

Connecticut. Dept. of Environmental Protection. Hartford, Conn. : State of Connecticut, Dept. of Environmental Protection, [1990?]. 1 v. : ill. ; 28 cm.

*Place of publication:* Connecticut. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC institutional, structural pest control; PATC forest pest control; PATC fumigation; PATC anti-fouling paint pest control

*Abstract:* Information for commercial supervisory or operational license applicants, procedures for taking examinations, and categorical lists of helpful materials to use in preparing for pesticide applicator certification examinations in Connecticut are included in this packet.

*NAL Call No.:* SB952.86.S7

### Sucker control chemicals for burley tobacco.

Atkinson, W. O.; Smiley, J. H.; Massie, Ira. Kentucky Agricultural Experiment Station.

Lexington, Ky. : University of Kentucky, College of Agriculture, Agricultural Experiment Station, Dept. of Agronomy, [198-?]. 2 p. ; 28 cm. -- Misc. (Kentucky Agricultural Experiment Station) ; 401.

*Place of publication:* Kentucky. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This paper explains how to properly apply systematic and contact sucker control chemicals for burley tobacco. Lists precautionary measures when using a contact sucker control chemical.

*NAL Call No.:* SB608.T7A8

### Summary of pesticides (fungicides, bactericides, and nematocides) suggested for plant disease control on major crops in Arkansas.

McDaniel, M. C.

[Little Rock, Ark.?] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture, and County Governments Cooperating, [1990].

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC demonstration, research

*Abstract:* This compilation of pesticides suggested for plant disease control on major crops in Arkansas contains information for use by pesticide formulators, distributors, dealers, and county Extension agents. Crops are grouped and listed alphabetically with the disease, treatment materials and rate per acre application formula. A list of available publications from the state and county Extension offices targeting specific crops or pests in more detail is supplied. There are cross-reference indexes of pesticide trade names, chemical names, and manufacturers.

*NAL Call No.:* 275.29 Ar4Mi no.154

### Supplement to chemical control of insects & nematodes in field & forage crops.

Landis, Douglas A.

East Lansing, Mich. : Cooperative Extension Service, Michigan State University, [1988].



## PATC plant agricultural pest

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This supplement updates information on the chemical recommendations found in Michigan state's Extension Bulletin E-1582, "Chemical Control of Insects and Nematodes in Field and Forage Crops" for dry beans, small grains, field corn, sugarbeets, legume hay and forages, and soybeans.

*NAL Call No.:* 275.29 M58B no.E-1582S

### **Systemic herbicides for weed control : phenoxy herbicides, dicamba, picloram, amitrole, and glyphosate.**

Klingman, Dayton L., 1913-.

Ohio State University. Cooperative Extension Service.

[Columbus, Ohio] : Cooperative Extension Service, Ohio State University, [1985?]. 15 p. : ill. ; 28 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 720.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* Phenoxy herbicides and other systemic herbicides (dicamba, picloram, amitrole, and glyphosate), application methods, testing sprayer output, cleaning spray equipment, and safety precautions are discussed in this bulletin. Includes list of common, chemical and trade names of these systemic herbicides (Table 1) and list of common weed species and their susceptibility to control by these herbicides.

*NAL Call No.:* SB951.4.S97

### **Topping and sucker control.**

Atkinson, W. O.; Smiley, J. H.; Wallace, A. M.

[S.l. : s.n., 198-?]. p. 47-51 ; 28 cm.

*Place of publication:* Unknown. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This publication provides information on systematic and contact type sucker control chemicals for tobacco, residues, and most effective time of topping for greatest yield.

*NAL Call No.:* SB608.T7A82

### **El Uso seguro de los pesticidas.**

Zavala, Melanie.

University of California, Davis. Visual Media.

Davis, Calif. : Visual Media, [1984?]. 115 slides : col. + 1 sound cassette (15 min.) + script (21 l. ; 28 cm.).

*Place of publication:* California. *Language:* Spanish.

*Descriptors:* PATC private core training; PATC commercial core training; PATC plant agricultural pest; PATC non-certified applicator

*Abstract:* This slide/tape set is aimed at the non-certified pesticide applicator and also has information of value for the fieldworker who is exposed only indirectly to pesticides. The topics covered include modes of entry of pesticides into the body, poisoning symptoms, first aid procedures, protective clothing, common sense ways of avoiding exposure and personal hygiene. Although the slide set reflects California regulations to a certain extent, it has general information of relevance to all pesticide users.

*NAL Call No.:* Slide no.295

### **Walnut orchard management.**

Ramos, David E.

University of California (System). Cooperative Extension; University of California (System). Division of Agriculture and Natural Resources.

[Oakland, Calif.] : Cooperative Extension, University of California, Division of Agriculture and Natural Resources, 1985. vi, 178 p. : ill. (some col.) ; 28 cm. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 21410.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* Designed for walnut growers and advisors, this publication discusses the walnut industry, establishment of a walnut orchard, physiology of the walnut tree, cultural considerations in walnuts, pest management of walnuts, and harvesting and handling walnuts.

*NAL Call No.:* SB401.W3W35

## PATC plant agricultural pest

### Weed control for reduced tillage systems.

Triplett, Glover B. 1930-.

Ohio State University. Cooperative Extension Service.

[Columbus, Ohio] : Ohio Cooperative Extension Service, Ohio State University, [1988]. 8 p. : ill. ; 28 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 722.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* The practice, advantages and disadvantages of reduced tillage crop production, weed control and problem weeds for reduced tillage systems, and proper herbicide application are discussed in this bulletin.

*NAL Call No.:* SB951.4.W44

### Weed control guide for Ohio field crops.

Loux, Mark M.; Harrison, S. Kent.

[Columbus, Ohio] : Ohio Cooperative Extension Service, Ohio State University, 1988. -- Extension bulletin (Ohio State University, Cooperative Extension Service) ; 789.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* Weed management guidelines for Ohio field crops and herbicide recommendations are provided in this publication. Includes tables of herbicide effectiveness ratings, early preplant herbicide application intervals, crop rotation restrictions, and of chemical trade names with common names, concentration and formulation, and manufacturer indicated.

*NAL Call No.:* 275.29 Oh32 no.789

### Weed control in alfalfa.

Whitson, Tom D.

[Laramie, Wyo.] : University of Wyoming, College of Agriculture, Dept. of Plant, Soil and Insect Sciences, UW Cooperative Extension Service, [1989].

*Place of publication:* Wyoming. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This Wyoming publication cross references herbicides for controlling weeds in alfalfa with rate and time of application, remarks and cautions. Contains a chart rating effectiveness of herbicides on grasses, broadleaf and miscellaneous weeds in alfalfa.

*NAL Call No.:* 275.29 W99B no.442.2

### Weed control in cereal grain crops.

Whitson, Tom D.

[Laramie, Wyo.] : University of Wyoming, College of Agriculture, Dept. of Plant, Soil and Insect Sciences, UW Cooperative Extension Service, [1989].

*Place of publication:* Wyoming. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This guide is designed to facilitate herbicide treatment selection for controlling weeds in cereal grain crops in Wyoming. Herbicides, rates and time of application, comments and cautions are indicated in tables. Suggested weed management practices, information about water-suspension herbicides, directions and notes for applying herbicides, and application are briefly discussed. Contains chart rating herbicide effectiveness on annual weeds.

*NAL Call No.:* 275.29 W99B no.442.3

### Weed control in corn.

Whitson, Tom D.

[Laramie, Wyo.] : University of Wyoming, College of Agriculture, Dept. of Plant, Soil and Insect Sciences, UW Cooperative Extension Service, [1989].

*Place of publication:* Wyoming. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This guide provides application rates and time, remarks and cautions for herbicides recommended for weed control in corn grown in Wyoming. It contains a table rating the effectiveness of suggested herbicides for controlling grasses and broadleaf weeds.

*NAL Call No.:* 275.29 W99B no.442.5



## PATC plant agricultural pest

### Weed control in dry beans.

Whitson, Tom D.

[Laramie, Wyo.] : University of Wyoming, College of Agriculture, Dept. of Plant, Soil and Insect Sciences, UW Cooperative Extension Service, [1989].

*Place of publication:* Wyoming. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This Wyoming publication contains application rates, times, remarks and cautions for herbicides recommended for weed control in dry beans. A table indicates the response of weeds to herbicides in dry beans.

*NAL Call No.:* 275.29 W99B no.442.6

### Weed control in pastures and rangelands.

Whitson, Tom D.

[Laramie, Wyo.] : University of Wyoming, College of Agriculture, Dept. of Plant, Soil and Insect Sciences, UW Cooperative Extension Service, [1989].

*Place of publication:* Wyoming. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* Recommended herbicides for weed control in pastures and rangeland in Wyoming: their rates, timing, remarks and cautions are given in this publication.

*NAL Call No.:* 275.29 W99B no.442.9

### Weed control in potatoes.

Whitson, Tom D.

[Laramie, Wyo.] : University of Wyoming, College of Agriculture, Dept. of Plant, Soil and Insect Sciences, UW Cooperative Extension Service, [1989].

*Place of publication:* Wyoming. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* Application rates, timing remarks and cautions for herbicides used to control weeds in potatoes in Wyoming as well as a table rating herbicide effectiveness are contained in this publi-

cation.

*NAL Call No.:* 275.29 W99B no.442.7

### Weed control in seedlings and established alfalfa in California.

University of California (System). Cooperative Extension; University of California (System). Division of Agriculture and Natural Resources.

Berkeley, Calif. : Cooperative Extension, University of California, Division of Agriculture and Natural Resources, [1987?]. 11 p. : ill. ; 28 cm. -- Leaflet (University of California (System). Division of Agriculture and Natural Resources) ; 21431.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* This leaflet describes cultural and chemical methods of controlling weeds in seedling and established alfalfa, lists herbicides registered for use on alfalfa, and contains a table of weed sensitivity to herbicides. For growers, applicators, and advisors.

*NAL Call No.:* S544.3.C2C3 no.21431

### Weed control in small grains in California.

Mitich, Larry W.

University of California (System). Cooperative Extension; University of California (System). Division of Agriculture and Natural Resources.

Oakland, Calif. : Cooperative Extension, University of California, Division of Agriculture and Natural Resources, [1988?]. 12 p. : ill. ; 28 cm. -- Leaflet (University of California (System). Division of Agriculture and Natural Resources) ; 21012.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* Intended for growers, pesticide applicators and advisors, this leaflet defines weed types and cycles. It discusses cultural and chemical methods of weed control. It contains tables listing susceptibility of weeds to herbicides for chemical fallow, and herbicides used in small grains. Descriptions of crop injury symptoms from herbicides and black and white photos are included.

## PATC plant agricultural pest

NAL Call No.: S544.3.C2C3 no.21012

### Weed control in sugar beets.

Whitson, Tom D.

[Laramie, Wyo.] : University of Wyoming, College of Agriculture, Dept. of Plant, Soil and Insect Sciences, UW Cooperative Extension Service, [1989].

*Place of publication:* Wyoming. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* Herbicide recommendations for weed control in sugar beets grown in Wyoming including application rates, timing, remarks, cautions, and effectiveness ratings are provided in this publication.

NAL Call No.: 275.29 W99B no.442.8

### Weed control in the conservation reserve program and newly established grasses.

Whitson, Tom D.

[Laramie, Wyo.] : University of Wyoming, College of Agriculture, Dept. of Plant, Soil and Insect Sciences, UW Cooperative Extension Service, [1989].

*Place of publication:* Wyoming. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* Application rates and time, remarks and cautions for herbicides suggested for weed control on Conservation Reserve Program (CRP) land and in newly established grasses are provided in this publication. CRP land is set aside and cannot be harvested or grazed by livestock for ten years.

NAL Call No.: 275.29 W99B no.442.4

### Weed training manual.

Montana. Environmental Management Division. Helena, Mont. : Montana Department of Agriculture, Environmental Management Division, [1986]. iv, 51 p. : ill. ; 28 cm.

*Place of publication:* Montana. *Language:* English.

*Descriptors:* PATC plant agricultural pest

*Abstract:* Prepared as a study guide for commercial

applicators engaged in weed control work and herbicide application and for weed district personnel, this manual can be used to study for the agricultural plant pest and regulatory weed tests. It also serves as a general reference on weed control, weed control regulations and Montana noxious weeds. Classification of weeds, chemical and alternate weed control methods, environmental factors influencing herbicide efficacy, environmental hazards including drift and volatility of herbicides and toxicology of herbicides are discussed.

NAL Call No.: SB612.M9W4 1986

### Weeding with chemicals : 1986 guide.

Williams, J. L.; Bauman, T. T.

Purdue University. Cooperative Extension Service. West Lafayette, Ind. : Cooperative Extension Service, Purdue University, [1986]. 77, [1] p. ; 28 cm. -- ID (Purdue University. Cooperative Extension Service) ; 1.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC aquatic pest control

*Abstract:* This guide provides information on herbicides recommended for use in Indiana to control weeds in field crops, forages, turfgrass, aquatic environments, vegetable crops, fruit and specialty crops and to control specific weeds. It contains charts rating the relative effectiveness of herbicides for corn, soybeans and horticultural crops. Safety, drift and calibration of ground application equipment are discussed.

NAL Call No.: 275.29 In2Id no.1 1986

### Whip rice aerial application handbook.

Hoechst-Roussel Agri-Vet Company.

Somerville, N.J. : Hoechst-Roussel Agri-Vet Company, [1988?]. 1 v. (various pagings) : ill., col. maps ; 30 cm.

*Place of publication:* New Jersey. *Language:* English.

*Descriptors:* PATC private sector produced material; PATC plant agricultural pest; PATC aerial pest control; PATC pesticide dealers and distributors



## PATC plant agricultural pest

*Abstract:* This manual for aerial applicators of pesticides presents a technical overview of rice production and proper application techniques for Whip IEC Herbicide. It includes sections on rice insect pest and weed identification and control; nozzles and strainers; and spray drop formation, drift and coverage. A weed seedling identification booklet, rice herbicide labels, and section review questions are provided.

*NAL Call No.:* SB951.4.W43

## PATC private core training

### PATC private core training

#### **The 1/128th of an acre calibration method broadcast spraying.**

University of Florida. Institute of Food and Agricultural Sciences.  
[Gainesville, Fla. : IFAS, University of Florida, 1987?]. 1 portfolio : ill. ; 28 cm.

*Place of publication:* Florida. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC demonstration, research

*Abstract:* Florida's pesticide applicator calibration training program on the 1/128th of an acre method includes lecture notes, overhead masters, worksheets and a fact sheet with calibration formulas, problems and solutions.

*NAL Call No.:* SB953.O5

#### **[1988 Utah pesticide applicator training packet].**

Deer, Howard.

Utah State University. Cooperative Extension Service.

Logan, Utah : Utah State University, Cooperative Extension Service, 1988. 1 portfolio : ill. (some col.) ; 30 cm.

*Place of publication:* Utah. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* A series of information sheets on pesticides, restricted use pesticides, disposal, storage, fire hazards, dermal and respiratory exposure, protective clothing, acute toxicity, endangered species, regulatory issues and groundwater protection.

*NAL Call No.:* SB950.2.U8D4

#### **1990 Missouri restricted-use list.**

Jarman, James H.

Columbia, Mo. : University Extension, University of Missouri-Columbia, 1990? 8 p. ; 28 cm. -- Agricultural MU guide ; G7550.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Chart includes common names, pesticide types, and criteria influencing restriction of each pesticide in Missouri. For growers and certified applicators.

*NAL Call No.:* SB950.2.M8J3

#### **Agricultural chemical toxicity to select aquatic animals : bluegill, channel catfish, rainbow trout, crawfish, and freshwater shrimp.**

Morgan, Edna Ruth.

[Mississippi State, Miss.?] : Cooperative Extension Service, Mississippi State University, [1989?]. 22 p. ; 28 cm. -- Publication (Mississippi State University. Cooperative Extension Service) ; 1455.

*Place of publication:* Mississippi. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Gives toxicity of many agricultural chemicals to 5 aquatic species: bluegill, channel catfish, rainbow trout, crawfish, and freshwater shrimp. Also gives tips for safe application of agricultural chemicals near fish ponds, and describes Mississippi fish kill reporting procedures. For growers, certified applicators, non-certified applicators, and fishery managers.

*NAL Call No.:* 275.29 M68Ext no.1455

#### **Agricultural pesticide application equipment.**

Sumner, Paul E.

Athens, Ga. : Cooperative Extension Service, University of Georgia College of Agriculture, [1989].

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This booklet discusses the types and set-



## PATC private core training

up of equipment used to apply agricultural chemicals, especially pesticides and fertilizers. Hydraulic boom sprayers, orchard and grove sprayers, vegetable sprayers and field crop sprayers are described in detail. Chemigation and the equipment needed for this process are outlined. Three methods of sprayer calibration as well as calibration methods for granular insecticide applicators, fertilizer applicators and dry broadcast fertilizer equipment are included.

*NAL Call No.:* 275.29 G29B no.1017

### **Agricultural pesticide storage.**

Nesheim, O. Norman.

Rev.

[Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, [1987]. -- OSU extension facts ; no. 7451.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Covers safety precautions for pesticide storage including construction directions for new storage areas, pesticide shelf life, and spill cleanup. For growers, certified applicators and non-certified applicators.

*NAL Call No.:* S544.3.O5O5 no.7451 1987

### **Alabama '89 pesticide handbook.**

[Auburn, Ala.] : Alabama Cooperative Extension Service, Auburn University, 1989.

*Place of publication:* Alabama. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This 1989 handbook, to be used by pesticide applicators, constitutes a single reference for all pesticide recommendations in the state of Alabama. It compiles up-to-date information on the selection, formulation, amounts, application, toxicity, and safe and proper use of pesticides. A directory of specialists as well as Alabama County Extension Service Offices is supplied for questions and/or emergencies.

*NAL Call No.:* S544.3.A2C47 no.500 1989

### **Alabama pesticide handb'88k.**

[Auburn, Ala.] : Alabama Cooperative Extension Service, Auburn University, 1988.

*Place of publication:* Alabama. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This 1988 handbook, to be used by pesticide applicators, constitutes a single reference for all pesticide recommendations in the state of Alabama. It compiles up-to-date information on the selection, formulation, amounts, application, toxicity, and safe and proper use of pesticides. A directory of specialists as well as Alabama County Extension Service Offices is supplied for questions and/or emergencies.

*NAL Call No.:* S544.3.A2C47 no.500 1988

### **Always wear the right stuff : personal pesticide protection.**

Coffman, Charlotte.

Cornell Cooperative Extension.

Ithaca, N.Y. : Cornell Cooperative Extension, [1990]. 77 slides : col. + 1 sound cassette and 1 script.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* This Cornell Cooperative Extension slide/script/cassette program is designed to help pesticide applicators, handlers and users properly protect themselves from accidental exposure. Types of protective clothing and equipment as well as laundering and care recommendations, safe hygiene habits and spray equipment are discussed. The importance of selecting appropriate protective clothing for the job based on risk of exposure; pesticide toxicity, formulation, and route of entry; and the environment is emphasized. The accompanying brochure concisely summarizes types of personal protective clothing including nonwoven, woven and specialized protective suits and respirators, and hygiene practices.

*NAL Call No.:* Slide no.351

## PATC private core training

### **Apply pesticides correctly.**

Evans, Burton R.

University of Georgia. Cooperative Extension Service. Rev.

Athens, Ga. : Cooperative Extension Service, University of Georgia, College of Agriculture, 1988. vi, 56 p. : ill. ; 28 cm. -- Special bulletin (University of Georgia. Cooperative Extension Service) ; 15.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Designed to enable commercial and private applicators to meet general standards for certification, this guide covers pest identification and control, Integrated Pest Management practices, labelling, safety, application, and laws and regulations. Formulas to derive area measurements, illustrations, and a list of pest control terms are included.

*NAL Call No.:* SB950.A1S62 no.15 1988

### **Applying pesticides correctly : a guide for commercial/noncommercial applicators.**

McDonald, Sally A.; Wamsley, Mary Ann; English, L. M.

[Las Cruces, N.M.] : Cooperative Extension Service, New Mexico State University, [1985]. iv, 104 p. : ill. ; 28 cm.

*Place of publication:* New Mexico. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Adapted for use in New Mexico, this core manual prepares individuals for commercial and noncommercial applicator certification. It covers pest identification and control, pesticide formulations, labels, laws and regulations, safety, protective clothing, pesticide poisoning recognition, first aid, environmental concerns, application equipment and calibration. Includes protective clothing and equipment guide based on formulations and label signal words, chart indicating toxic effects of pesticides on the body, and a glossary.

*NAL Call No.:* SB952.863.N6A6

### **Applying pesticides correctly : a guide for private and commercial applicators.**

Ohio State University. Cooperative Extension Service.

[Columbus, Ohio?] : Ohio State University, Cooperative Extension Service, 1989. 122 p. : ill. ; 28 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 713.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This guide for private and commercial applicators explains how to properly and safely apply pesticides, understand pesticide labels, select pesticides, and choose and calibrate equipment. Information on pests, pesticide laws and regulations, protective clothing, poisoning symptoms and first aid is provided. It contains a pesticide index, defined terms, a table listing effects of pesticides on the body, calibration formulae and examples, and drawings.

*NAL Call No.:* 275.29 OH32 no.713

### **Applying pesticides correctly : a guide for private and commercial applicators.**

[Washington, D.C.] : The Agency, [1980?]. iv, 128 p. : ill. ; 28 cm.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This guide for private and commercial applicators explains how to properly and safely apply pesticides, understand pesticide labels, select pesticides, and choose and calibrate equipment. Information on pests, pesticide laws and regulations, protective clothing, poisoning symptoms and first aid is provided. It contains a pesticide index, defined terms, a table listing effects of pesticides on the body, calibration formulae and examples, and drawings.

*NAL Call No.:* SB950.2.A1A66

### **Applying pesticides correctly : a student**



## PATC private core training

### **workbook.**

Hall, Dennis W.; Prochaska, Steven C.  
Ohio State University. Cooperative Extension Service.

[Columbus, Ohio?] : Ohio Cooperative Extension Service, Ohio State University, 1989. 84 p. : ill. ; 22 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 713-A.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This workbook, a supplemental study guide to Applying Pesticides Correctly: A Guide for Private and Commercial Applicators, is designed to assist applicators preparing for certification exams. It consists of 146 multiple choice, true and false, and matching questions, answers and explanations, and score cards for each section. The label flap conceals answers which appear opposite the questions.

*NAL Call No.:* 275.29 OH32 no.713-A

### **Are you spraying more than pests? : pilot project.**

University of Florida. Institute of Food and Agricultural Sciences.

[Gainesville, Fla. : University of Florida, IFAS], c1987. 1 videocassette, 396 slides, 5 scripts, 1 booklet, 1 folded sheet and 1 list of contents.

*Place of publication:* Florida. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Designed for pesticide applicators, growers, mixers/loaders and persons who handle pesticides, this educational packet composed of six lessons includes a slide set with accompanying script, NACA slides, a video, pamphlets, a poster, presentation activity instructions, addresses for ordering pamphlets and resources for the presenter. Lesson I describes the benefits of becoming a certified pesticide applicator. Lesson II reviews the Florida Pesticide Law and FIFRA. Lesson III explains the pesticide label. Lesson IV discusses pesticide safety and protective clothing. Lesson V covers safe handling, storage and disposal of pesticides. Lesson VI explains how to identify and

control pests.

*NAL Call No.:* Kit no.94

### **Buying and wearing protective clothing for applying pesticides.**

Olson, Wanda W.; Gahring, Sherri A.; Herzfeld, Dean.

St. Paul, Minn. : Minnesota Extension Service, University of Minnesota, 1990. 4 p. : ill. (some col.) ; 28 cm.

*Place of publication:* Minnesota. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This article discusses the need for and acquisition of specialized protective clothing for applying pesticides. Recommendations can be found on the chart, "Guide to Protective Equipment and Clothing", where signal words from pesticide labels are cross referenced with the type of clothing suggested for maximum safety. Six protective clothing suppliers and their addresses are listed.

*NAL Call No.:* HD7395.C5O5

### **Calibrating your field sprayer.**

University of Wisconsin--Madison. Dept. of Agricultural Journalism; University of Wisconsin--Extension. Cooperative Extension Service.  
Madison, Wis. : The University, 1987. 1 videocassette (13 min., 6 sec.) : sd., col. ; 1/2 in.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This videotape explains how to calibrate a field sprayer to deliver the correct pesticide application rate. It covers the five questions to ask before calibrating a sprayer, tools for calibration, the five steps in the precalibration process, and calibration procedures. Proper sprayer calibration is emphasized.

*NAL Call No.:* Videocassette no.937

### **Calibration method for hydraulic boom,**

## PATC private core training

### **band sprayers and other liquid applicators.**

Sumner, Paul E.

Rev. Oct. 1989.

[Athens, Ga.] : Cooperative Extension Service, University of Georgia College of Agriculture, [1989].

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Steps and procedures for calibrating hydraulic boom and band sprayers and other liquid applicators and for calculating the amount of liquid pesticide or wettable powder required for active ingredient rates are outlined in this publication.

NAL Call No.: 275.29 G29C no.683

### **California plant disease handbook and study guide for agricultural pest control advisors.**

Gubler, Walter D.

University of California (System). Division of Agriculture and Natural Resources. 3rd ed. Oakland, Calif. : Regents of the University of California, Division of Agriculture and Natural Resources : available from ANR Publications, University of California, 1986. ii, 157 p. ; 28 cm. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 4046.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC forest pest control

*Abstract:* This is a comprehensive study guide on diagnosing plant diseases, using cultural and biological control methods, using plant resistance, and using chemicals for disease control. Sections include field and forage crops, vegetable crops, tree fruit and nut crops, small fruit crops, and ornamentals. It is designed for agricultural pest control advisors, and useful to applicators and growers. A glossary and references are included.

NAL Call No.: SB624.C2C3 1986

### **Certification & recertification of private pesticide applicators in Georgia.**

Athens, Ga. : Cooperative Extension Service, University of Georgia, College of Agriculture, [1982].

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC private core training

*Abstract:* This booklet is for private pesticide applicators who desire certification or recertification in the state of Georgia. The booklet describes the rules, regulations and requirements for application, training and examination for certification. Samples of application forms, temporary certification documents, certification records and other forms are given and explained.

NAL Call No.: SB965.C4

### **Check your pesticide labels.**

Nesheim, O. Norman.

[Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, [1986]. -- OSU extension facts ; no. 7454.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Explains how to read and interpret directions on pesticide labels. For certified applicators and non-certified applicators.

NAL Call No.: S544.3.O5O5 no.7454

### **Christmas tree category manual.**

Swier, Stanley R.; Auger, Phil.

Durham, N.H. : Cooperative Extension Service, University of New Hampshire, 1987. 38 p. ; 28 cm.

*Place of publication:* New Hampshire. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC forest pest control

*Abstract:* The identification, biology and control of New Hampshire Christmas tree pests are covered



## PATC private core training

in this training manual. Weed and brush control methods, herbicide and approved pesticide lists, a cross-reference table for pesticide common name/trade name, and specimen collection instructions are included.

*NAL Call No.:* SB428.3.S9

### **Closed systems for handling liquid pesticides : improved safety for pesticide applicators.**

New York State College of Agriculture and Life Sciences. Dept. of Entomology; Cornell University. Media Services; Cornell University. Audio-Visual Resource Center.

Ithaca, N.Y. : Cornell University AV Center, 1985. 71 slides : col. + 1 sound cassette (17 min. : analog) + 1 script.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* This audiovisual safety training program for pesticide applicators describes the operation and the advantage of a closed system for handling liquid pesticides. It covers proper selection of equipment based on needs assessment; system components of gravity feed and vacuum systems; equipment maintenance and repair; and safety precautions.

*NAL Call No.:* Slide no.285

### **Commercial and private pesticide applicator core manual slide set.**

Rosenbaum, Robin R.

Michigan State University. Cooperative Extension Service.

[East Lansing, Mich.?] : The Service, [1990]. 363 slides : col. + 1 slideset storyboard in binder.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Designed to accompany the Michigan Core Manual Extension Bulletin E-2195, this slide set and storyboard with script prepares pesticide applicators for the commercial or private pesticide

certification or the registered technician examination. The slides focus on the major points of the Core Manual's nine chapters. Pests and integrated pest management (IPM) concepts and techniques, pest identification, understanding pesticides, protecting the environment and humans from adverse effects of pesticides, handling, storage and disposal of pesticides, label, application equipment, and pesticide laws and regulations are covered. The storyboard pictures of the slides and their arrangement by Core Manual chapters in a loose-leaf notebook facilitate slide selection and adaptation of the presentation to a particular audience. In the script, points that should be emphasized appear in bold print and comments to instructors appear in italics.

*NAL Call No.:* Slide no.352

### **Commercial and private pesticide applicator training manual : initial certification.**

Landis, Joy Neumann; Rosenbaum, Robin R.; Rother, Andrea.

Michigan State University. Cooperative Extension Service.

East Lansing, Mich. : Cooperative Extension Service, Michigan State University, [1989]. 83 p. : ill. ; 28 cm. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; E-2195.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This core training manual covers identification and management of pests and safe use of pesticides. Environmental concerns, especially groundwater contamination are addressed as are the handling, labelling, storage, application and toxicity of pesticides, and federal and Michigan State laws and regulations. It contains a glossary, a pesticide emergency information chart with emergency poison control center phone numbers, and self-study question guides. Applications for both commercial and private applicator licenses are also included.

*NAL Call No.:* 275.29 M58B no.2195

### **Core manual.**

Brown, A. E.

## PATC private core training

University of Maryland Cooperative Extension Service.

College Park, Md. : University of Maryland Cooperative Extension Service, 1986-87 [i.e. 1987]. 42 p. : ill. ; 28 cm. -- Maryland pesticide applicator training series.

*Place of publication:* Maryland. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This core manual for all pesticide applicators in Maryland is intended to be used as a study guide for the certification examination and as a reference. It provides information on laws and regulations governing pesticide use, integrated pest management (IPM) concepts, toxicology, safety precautions, protective gear, proper handling, storage and disposal of pesticides, pesticide emergencies, liability, and environmental considerations. It contains short answer study questions and a glossary.

*NAL Call No.:* SB950.2.M3B762

### **Disposal of pesticide containers.**

Vitzthum, Edward F.; Nelson, Emery W.; Gold, Roger E.

Lincoln, Neb. : Published by Cooperative Extension Service, Institute of Agriculture and Natural Resources, University of Nebraska, 1979. -- Neb-Guide ; G79-472.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This publication describes the three groups of containers defined by US EPA guidelines and how to properly dispose of them.

*NAL Call No.:* S451.N2N3 no.G79-472

### **Disposal of pesticide wastes and containers.**

Dewey, J. E.

Rev. 2/84.

Ithaca, N.Y. : New York State College of Agriculture and Life Sciences, [1984].

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC private core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC recertification

*Abstract:* Cornell Fact Sheet 4-132 is included in the three part recertification packet given to pesticide applicators as part of their training program by New York state. The fact sheet updates and supplements the manual and workbook, discussing the proper and safe disposal of pesticide wastes and containers. The New York State regulations for disposal are covered. New York State conservation regional offices and phone numbers, as well as solid waste engineers are included.

*NAL Call No.:* SB951.A1C67 no.4-132

### **Disposal of pesticides and pesticide containers.**

Wilson, John H 1933-; McClelland, W. T.

North Carolina Agricultural Extension Service. Rev.

Raleigh, N.C. : N.C. Agricultural Extension Service, [1988]. 1 folded sheet (12 p.) : ill. ; 22 x 10 cm.

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC non-certified applicator

*Abstract:* Covers procedures for disposal of pesticides and pesticide containers. Information on North Carolina Disposal Assistance Program. For growers, certified applicators, non-certified applicators, and the general public.

*NAL Call No.:* TD196.P38W5 1988

### **Drift management : pesticide applicator training.**

Dill, James F.; Dwyer, James D.; Morrow, L. S.; Batteese, Robert.

University of Maine at Orono. Cooperative Extension Service.

[Orono, Me.] : University of Maine, Cooperative Extension Service, [1988]. 1 v. (various pagings) : ill., forms ; 30 cm. + 1 booklet.

*Place of publication:* Maine. *Language:* English.



## PATC private core training

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Prepared by University of Maine-Cooperative Extension Service in cooperation with Maine Department of Agriculture, Food and Rural Resources, Board of Pesticide Control, this booklet assists operators of power spray equipment in minimizing off-target drift in compliance with state regulations. Provides uniform logbook required for record of applications.

*NAL Call No.:* SB953.D5

### **El Entrenamiento de los trabajadores del invernadero sobre el uso de los pesticidas.**

Zavala, Melanie.

University of California, Davis. Visual Media; University of California, Davis. Office of Pesticide Information and Coordination.

Davis, [Calif.] : University of California, Davis, Visual Media, c1986. 1 videocassette (16 min.) : sd., col. ; 1/2 in.

*Place of publication:* California. *Language:* Spanish.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator; PATC ornamental, turf pest control

*Abstract:* This video is aimed at non-certified pesticide applicators. It is designed to provide them with part of the training they need in order to handle pesticides safely. The video can also be of use for greenhouse workers who have only indirect exposure to pesticides. The presentation covers entry of pesticides into the body, poisoning symptoms, protective clothing and equipment, emergency procedures, and common sense protective measures. It also discusses some of the potential dangers of pesticide use in a greenhouse situation and how they can be avoided. This video was developed under a grant from the U.S. EPA.

*NAL Call No.:* Videocassette no.674

### **Factors affecting pesticide and nutrient movement in Alaska soils.**

Vandre, Wayne.

University of Alaska (System). Cooperative Extension Service.

[Fairbanks, Alaska] : University of Alaska Fairbanks ; USDA, [1990].  
[Washington, D.C.?] [2] p. ; 28 cm.

*Place of publication:* Alaska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This publication discusses factors affecting potential pesticide and nutrient movement in Alaska soils. Six tables list pesticides currently or previously used by Alaskan growers classified by their leaching potential and surface runoff or surface loss potential.

*NAL Call No.:* TD427.P35V32

### **The fate of pesticides in the environment.**

Brown, C. L.; Hock, W. K.; Morgan, E. A.

Pennsylvania State University. Pesticide Education Program; Pennsylvania State University. Agricultural Information Services.

University Park, Pa. : Pesticide Education Program : Agricultural Information Services, [1989?]. 80 slides : col. + 1 sound cassette (20 min., 45 sec.) + 1 script (13 p.).

*Place of publication:* Pennsylvania. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This slide set with cassette and script describes environmental impacts of pesticides and defines processes such as adsorption, transfer (including volatilization, leaching, runoff, and absorption), and degradation. The accompanying agrichemical fact sheet discusses ways to protect groundwater from pesticide contamination.

*NAL Call No.:* Slide no.293

### **Fate of pesticides in the environment : proceedings of a technical seminar.**

Biggar, James W.

California Agricultural Experiment Station.

Oakland, Calif. : University of California, Division of Agriculture and Natural Resources, 1987. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 3320.

## PATC private core training

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC demonstration, research

*Abstract:* This is a compilation of the proceedings of a seminar of the same title held in Sacramento, CA on March 4 and 5, 1985. It includes sections on pesticide classes, physiochemical fate processes, and case studies of the reaction of several pesticides in environmental situations. Helpful information for growers, applicators, and advisors is provided.

*NAL Call No.:* TD196.P38F3

### **First aid for pesticide poisoning.**

Criswell, Jim T.

[Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, [1989]. -- OSU extension facts ; no. 7453.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Covers label reading, symptoms of poisoning, cholinesterase tests, first aid for poisoning, and specific antidotes. For certified applicators, agricultural workers, non-certified applicators, the general public and health providers.

*NAL Call No.:* S544.3.O5O5 no.7453

### **Florida's pesticide law & rules : a summary for applicators.**

Florida. Dept. of Agriculture and Consumer Services.

Tallahassee, Fla. : The Dept, [1988?]. 1 folded sheet (8 p.) ; 22 cm.

*Place of publication:* Florida. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Brief summary of laws and rules for Florida that pertain to licensed restricted use pesticide applicators. For growers, certified applicators, and non-certified applicators.

*NAL Call No.:* SB952.863.F6F5

### **Fumigating farm-stored grain with aluminum phosphide.**

Peters, Leroy L. 1931-.

Rev. December 1987.

Lincoln, Neb. : Published by Cooperative Extension Service, Institute of Agriculture and Natural Resources, University of Nebraska, 1987. -- NebGuide ; G86-790.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC fumigation

*Abstract:* This NebGuide explains step-by-step how to fumigate farm-stored grain with aluminum phosphide. It includes a chart describing respiratory protection needed based on gas concentration. A chart to determine the minimum length of fumigation to control pests based on temperature is provided.

*NAL Call No.:* S451.N2N3 no.G86-790 1987

### **Georgia's endangered animals and plants.**

Jackson, Jeffrey J.

University of Georgia. Cooperative Extension Service.

[Athens, Ga.?] : University of Georgia, Cooperative Extension Service, [1989]. ii, 23 p. : ill., maps ; 18 cm.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This bulletin is intended to help landowners, land managers and pesticide applicators protect federally designated "threatened" and "endangered" animals or plants while engaged in farming, forestry and other land use activities. This bulletin reviews and describes the protected species most likely to be encountered in Georgia.



## PATC private core training

NAL Call No.: QL84.22.G4G4

### **Growers weed identification handbook.**

University of California (System). Division of Agricultural Sciences.

[Berkeley, Calif.?] : Division of Agricultural Sciences, University of California, [197-?- ]. 1 v. : col. ill. ; 30 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC right-of-way pest control

*Abstract:* Color photographs and descriptions of common weeds found in agricultural crops are provided. Includes photos of seedlings, mature plants, and flowers and fruit. Intended for growers, advisors, and applicators. Loose-leaf format permits easy updating.

NAL Call No.: SB612.C2G7

### **Guidebook to pesticides : regulation, registration & resource directory.**

Bond, Janet.

Massachusetts. Dept. of Food and Agriculture.

[Boston, Mass.] : Dept. of Food and Agriculture, [1987]. x, 44 p. : ill. ; 28 cm.

*Place of publication:* Massachusetts. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Covers federal and Massachusetts pesticide regulations, how to read labels, pesticide safety tips, and gives resource numbers for Massachusetts. Some pest control information also. For growers, certified applicators and non-certified applicators.

NAL Call No.: KFM2780.P4A82

### **Guidelines for insecticide use.**

Rodriguez, L. D.

Rev.

Lexington, Ky. : University of Kentucky, College of Agriculture, Cooperative Extension Service, Dept.

of Entomology, 1987. -- ENT (University of Kentucky. Cooperative Extension Service) ; no. 48.

*Place of publication:* Kentucky. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Covers pesticide selection, transport, storage, use precautions, spill cleanup, protective equipment selection, laundering of contaminated clothing, poisoning symptoms, first aid, container disposal, bee protection, and sprayer calibration. For certified applicators, non-certified applicators and growers.

NAL Call No.: 275.29 K415E no.48 1987

### **Hazardous waste management for pesticide applicators.**

University of Nebraska (Lincoln campus). Extension Service.

Lincoln, Neb. : Cooperative Extension Service, University of Nebraska, [1988?]. 79 slides : col. + 1 script + 1 sound cassette (18 min., 20 sec.) w/synch pulses + 1 sound cassette (18 min., 20 sec.) w/o synch pulses.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC commercial core training; PATC private core training

*Abstract:* This slide-tape set defines hazardous waste, briefly discusses regulations about disposal and describes applicators' responsibility in the disposal process.

NAL Call No.: Slide no.296

### **How groundwater contamination occurs.**

Vandre, Wayne.

University of Alaska (System). Cooperative Extension Service.

[Fairbanks, Alaska] : Cooperative Extension Service, University of Alaska Fairbanks ; [Washington, D.C.?] : USDA, [1990]. [2] p. ; 28 cm.

*Place of publication:* Alaska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public

## PATC private core training

and homeowners

**Abstract:** This publication explains how groundwater contamination occurs. It discusses the four major factors determining whether a chemical is likely to become a groundwater contaminant: 1) chemical properties, 2) soil properties, 3) site conditions, and 4) human activities or practices.

*NAL Call No.:* TD427.A35V3

### **How to use your right to know chemical hazards : a guide to the new hazard communication standards.**

McAteer, J. Davitt; Lawson, Dale.

Occupational Safety and Health Law Center. 1st ed.

Washington, D.C. : Occupational Safety and Health Law Center ; Pilgrim Press, [1986].

[New York, N.Y.] 75 p. ; 20 cm.

*Place of publication:* District of Columbia. *Language:* English.

**Descriptors:** PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

**Abstract:** This book describes in detail the Hazard Communication Standard in language easily understood by worker, grower, or applicator. It simplifies the federal requirement and systematically reviews the standard and its requirements. For agricultural workers, growers, certified applicators, non-certified applicators, and the general public.

*NAL Call No.:* T55.3.H3M3 1986

### **Illinois Agricultural Pesticides Conference '91 : summaries of presentations January 8, 9, 10, 1991, Urbana, Illinois.**

Illinois Agricultural Pesticides Conference; Illinois. Natural History Survey Division.; University of Illinois at Urbana-Champaign. Cooperative Extension Service.

[Urbana, Ill.] : Cooperative Extension Service, University of Illinois at Urbana-Champaign, [1991]. xxv, 172 p. : ill., maps, forms ; 28 cm.

*Place of publication:* Illinois. *Language:* English.

**Descriptors:** PATC private core training; PATC

commercial core training

**Abstract:** This book is a compilation of current information, in article form disseminated at the 1991 Illinois Agricultural Pesticides Conference, for anyone who uses or recommends the use of pesticides in a crop management program. The book includes current studies and research results, survey results, and numerous tables.

*NAL Call No.:* SB950.2.I3I4 1991

### **Illinois pest control handbook.**

University of Illinois at Urbana-Champaign. Cooperative Extension Service; Illinois. Natural History Survey Division.

[Urbana, Ill.] : Cooperative Extension Service, University of Illinois at Urbana-Champaign, 1986-. v. : ill. ; 28 cm.

*Place of publication:* Illinois. *Language:* English.

**Descriptors:** PATC private core training; PATC commercial core training; PATC animal agricultural pest; PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control

**Abstract:** The Illinois Pest Control Handbook, a compilation of detailed information on pests (insects, plants, animals, fungi, and nematodes) and pesticides (herbicides, insecticides, fungicides, nematocides and restricted-use pesticides), informs the applicator how to develop strategies for integrated pest management. It covers pests of field crops and livestock, vegetable crops, ornamentals and turf, homes, yards, and gardens. Many tables cross reference pest problems with recommended pest management guidelines which include control methods instructions, pesticides and treatments. The handbook is revised annually.

*NAL Call No.:* SB950.2.I3I46

### **Illinois pesticide applicator training and certification program.**

Anderson, C. Diane; Bode, Loren E.

University of Illinois at Urbana-Champaign. Cooperative Extension Service.

[Urbana, Ill.] : The Service, [1990]. 356 slides : col. + 1 script.



## PATC private core training

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC private core training

*Abstract:* The Illinois Private Pesticide Applicator slide set, based on information presented in the Illinois Private Applicator manual 39-7, is accompanied by a slide script divided into six chapters (eight sections) and numbered consecutively within chapters. Includes chapters on Integrated Pest Management, understanding pesticides, labels and labeling, protecting humans and the environment from pesticides, equipment and calibration, and pesticide laws and regulations. Slide mounts are color-coded by section. The slides in this set, particularly optional slides, are designed to be selected and tailored to different training groups' needs. Suggestions for places to use supplemental materials or initiate group discussions are provided.

*NAL Call No.:* Slide no.343

### Indiana private pesticide applicator training manual.

Martin, Andrew; Blessing, Arlene; Jordan, Thomas N.

West Lafayette, Ind. : Purdue Pesticide Programs, [1990?]. 183 p. : ill. (some col.) ; 28 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC private core training

*Abstract:* This manual is designed to provide the private pesticide applicators of Indiana with current information on the proper transportation storage, use, and disposal of pesticide products. The manual's content meets private applicator certification standards mandated by the Indiana pesticide use and application law and is intended for use in conjunction with county sponsored, private pesticide applicator training programs for the state certification examination. The manual focuses on pest identification, pesticide classifications and labeling, affects of pesticides on the environment, safety, groundwater and endangered species protection, application equipment and calibration. A glossary is included.

*NAL Call No.:* SB952.863.I6M3

### Information for fire fighters on pesticide fires.

University of Massachusetts at Amherst. Cooperative Extension.

[Amherst, Mass.?] : University of Massachusetts, Cooperative Extension, U.S. Dept. of Agriculture and Massachusetts counties cooperating, [1986?]. [2] p. ; 28 cm. -- L (University of Massachusetts at Amherst. Cooperative Extension) ; 244.

*Place of publication:* Massachusetts. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Covers usual pesticide storage locations, hazards of combustion and explosion, and protective measures used to avoid illness or injury while fighting a pesticide fire and to prevent causing environmental damage afterwards. Reference telephone numbers for Massachusetts provided. For agricultural workers, growers, certified applicators, non-certified applicators and firefighters.

*NAL Call No.:* TH9446.H3815

### Insect pest management guidelines for California landscape ornamentals.

Koehler, Carlton S.

University of California (System). Cooperative Extension; University of California (System). Division of Agriculture and Natural Resources.

Oakland, Calif. : Cooperative Extension : University of California, Division of Agriculture and Natural Resources, c1987. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 3317.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC ornamental, turf pest control; PATC right-of-way pest control

*Abstract:* This manual includes information on diagnosing ornamental plant problems caused by insects, sampling and monitoring landscape pests, determining when control action should be taken, and implementing methods of pest management including biological control, cultural control, physical control, and insecticidal control. It contains a

## PATC private core training

larger table of pest management information by plant species. Suitable for growers (nursery), applicators, and advisors.

NAL Call No.: SB608.O7K64

### **Laundering pesticide contaminated clothing.**

Laughlin, Joan; Gold, Roger E.

Rev. August 1989.

Lincoln, Neb. : Published by Cooperative Extension, Institute of Agriculture and Natural Resources, University of Nebraska, 1989. -- NebGuide ; G89-943.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This NebGuide stresses the importance of wearing protective clothing when working with pesticides and explains step by step how to safely handle and launder pesticide contaminated clothing.

NAL Call No.: S451.N2N3 no.G89-943 1989

### **The Massachusetts "Right-to-Know Law" and the pesticide applicator.**

Van Driesche, Roy.

University of Massachusetts (Amherst campus). Cooperative Extension Service.

[Amherst, Mass.?] : Cooperative Extension Service, University of Massachusetts, U.S. Dept. of Agriculture and County Extension Services cooperating, [1985]. [2] p. ; 28 cm. -- L (University of Massachusetts (Amherst campus). Cooperative Extension Services) ; 357.

*Place of publication:* Massachusetts. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Explains responsibilities of employers who use pesticides to: maintain MSDS files, label pesticide containers, and to train employees. Includes list of pesticides to which the Right-to-Know Act applies. For growers, certified applicators, non-certified applicators and employers of pes-

ticide handlers.

NAL Call No.: SB950.2.M4V3

### **Names, manufacturers, & toxicities of pesticides.**

Morgan, Edna Ruth.

[Mississippi State, Miss.] : Cooperative Extension Service, Mississippi State University, [1987?]. 32 p. ; 28 cm. -- Publication (Mississippi State University. Cooperative Extension Service) ; 1219.

*Place of publication:* Mississippi. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Cross referenced listing of selected pesticides, pests they should control, producers, and oral and dermal acute toxicity (LD50) and national and Mississippi emergency numbers. For agricultural workers, growers, certified applicators, non-certified applicators, and the general public.

NAL Call No.: 275.29 M68Ext no.1219

### **Nebraska pesticide applicator training 1988.**

Nebraska Cooperative Extension Service.

[Lincoln, Neb.?] : Cooperative Extension Service, University of Nebraska, [1988?]. 10 leaves ; 28 cm.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training

*Abstract:* The Nebraska Pesticide Applicator Training private applicator manual is a complete listing of the 1988 requirements for the initial certification and recertification training and licensing procedures in Nebraska. The guide includes a list of required materials, instructions for application and sample test questions.

NAL Call No.: SB952.863.N2N4

### **Nevada pesticide applicator training certification workbook.**

Smith, H. G.

4th rev.



## PATC private core training

[Reno, Nev.?] : Nevada Cooperative Extension, University of Nevada, [1987]. 136 p. : ill. ; 28 cm. -- SP (Max C. Fleischmann College of Agriculture. Cooperative Extension Service) ; 87-7.

*Place of publication:* Nevada. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Designed to assist individuals preparing for pesticide certification examinations, this workbook developed in Nevada includes general information on federal and state pesticide laws and regulations; pesticide types, labels, formulations, toxicity, and safety, protective clothing and equipment; what to do in pesticide poisoning cases; and equipment selection and calibration. Plant diseases, insects, weeds, vertebrate pests, groundwater contamination, chemigation, and safe and effective applicator practices are discussed. Contains color coded information relevant to the following categories: agricultural plant and animal, forest, ornamental and turf pest control, seed treatment, aquatic, right-of-way, industrial, public health, fumigation, mosquito, and predator pest control and wood preservatives. General information material must be supplemented by reading the *Applying Pesticides Correctly* handbook.

*NAL Call No.:* S87.S7 no.87-7 1987

### North Carolina pesticide laws and regulations.

Wilson, John H. 1933-.

North Carolina. Dept. of Agriculture; North Carolina Agricultural Extension Service. Rev. July, 1989.

[Raleigh, N.C.] : N.C. Dept. of Agriculture and N.C. Agricultural Extension Service, [1989]. 119 p. : ill. ; 28 cm.

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC pesticide dealers and distributors; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Covers North Carolina laws regulating use of restricted pesticides, pesticide handling and disposal, and applicator licensing. For agricultural workers, growers, certified applicators, and non-

certified applicators.

*NAL Call No.:* KFN7780.P4A82 1989

### North Dakota pesticide certification manual.

Kopp, Dennis D.  
Rev.

Fargo, N.D. : Cooperative Extension Service, North Dakota State University, [1988].

*Place of publication:* North Dakota. *Language:* English.

*Descriptors:* PATC private core training

*Abstract:* This core manual is for pesticide applicators seeking certification in the state of North Dakota. Divided into three major sections, the first section covers classes, categories and forms of insecticides, safety precautions, toxicity and application as well as identification of insect pests. The second section considers plant pathology and the use, application and effects of fungicides in the control of parasitic and nonparasitic plant diseases. The third section covers the identification of weed pests and the use, formulation, application and characteristics of herbicides.

*NAL Call No.:* S544.3.N9N6 no.43 1988

### Nozzles, selection and sizing.

Grisso, Robert D.; Klein, Robert N.

Lincoln, Neb. : Published by Cooperative Extension, Institute of Agriculture and Natural Resources, University of Nebraska, [1990]. -- NebGuide ; G89-955.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This NebGuide covers nozzle description, recommended uses and orifice sizing for farm sprayers.

*NAL Call No.:* S451.N2N3 no.G89-955

### Ohio pesticide applicator conferences, 1989 : for continuing certification : selected summaries.

Ohio State University. Cooperative Extension Ser-

## PATC private core training

vice; Ohio. Dept. of Agriculture.  
[Columbus, Ohio?] : Ohio State University,  
Cooperative Extension Service : Ohio Department  
of Agriculture, [1989]. 1 v. (unpaged) : ill. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC private core training; PATC  
commercial core training; PATC recertification

*Abstract:* This collection of summaries from the  
1989 Ohio Pesticide Conference for Continuing  
Certification enables applicants to update and aug-  
ment their core and subject specific manuals. The  
current information supersedes the information  
found in the instruction manuals. Includes infor-  
mation pertinent to agricultural animal and plant,  
aquatic, ornamental and turf, stored, processed,  
manufactured product, industrial, institutional,  
structural, forest, and public health pest control.

*NAL Call No.:* SB952.863.O3O3

### Ounce calibration.

Nebraska Cooperative Extension Service.  
[Lincoln, Neb.] : Nebraska Cooperative Extension  
Service, Institute of Agriculture and Natural Re-  
sources, University of Nebraska-Lincoln, [1987?]. 1  
flash card : col. ; 6 x 10 cm. -- E.C. (Nebraska  
Cooperative Extension Service) ; 87-728.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training; PATC  
commercial core training

*Abstract:* This wallet-size reference card provides a  
quick sprayer calibration method with nozzle out-  
put in ounces equal to gallons per acre actually  
applied.

*NAL Call No.:* 275.29 N272Ex no.87-728

### Persistence and mobility of pesticides in soil and water.

McBride, Dean K; Peterson, Dallas E.; Lamey, H.  
Arthur.  
Fargo, N.D. : NDSU Extension Service, North  
Dakota State University, [1988]. 7 p. ; 28 cm. --  
Extension bulletin (NDSU Extension Service) ; no.  
49.

*Place of publication:* North Dakota. *Language:*

English.

*Descriptors:* PATC private core training; PATC  
commercial core training; PATC general public  
and homeowners; PATC agricultural worker;  
PATC non-certified applicator

*Abstract:* Provides information on factors involved  
in pesticide movement to groundwater. Includes  
charts rating persistence and mobility of certain  
pesticides in soil. For agricultural workers,  
growers, certified applicators, non-certified ap-  
plicators and the general public.

*NAL Call No.:* S544.3.N9N6 no.49

### Pest management principles for the Wis- consin farmer.

Doersch, R. E.

2nd ed.

Madison, Wis. : University of Wisconsin-Extension,  
[1988]. vii, 269 p. : form ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC private core training; PATC  
plant agricultural pest

*Abstract:* Training manual for private pesticide ap-  
plicators. Major topics: application of pest manage-  
ment principles for agricultural weed, insect, and  
disease control; toxicity of pesticides; protecting  
human health and the environment; disposal;  
equipment calibration; IPM practices; and label  
information.

*NAL Call No.:* SB950.2.W5P48 1988

### Pest management principles for the Wis- consin farmer : study guide.

Doersch, R. E.

2nd ed.

Madison, Wis. : University of Wisconsin-Extension,  
[1988]. 41 p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC private core training; PATC  
plant agricultural pest

*Abstract:* This study guide accompanies Pest Man-  
agement Principles for the Wisconsin farmer. It  
contains multiple choice questions and answers on



## PATC private core training

a variety of subjects including laws and regulations, formulations, safety, application principles, and resistance to pesticides.

*NAL Call No.:* SB950.2.W5P482 1988

### **Pesticide application and safety training.**

Stimmann, M. W.

University of California (System). Division of Agricultural Sciences. Rev.

Berkeley, Calif. : University of California, Division of Agricultural Sciences, Cooperative Extension, 1983. 107 p. : ill. ; 28 cm. -- Publication (University of California (System). Division of Agricultural Sciences) ; 4070.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Safe pesticide use is the focus of this applicator training manual. Major topics covered are pests, pesticide classifications and formulations, labels and labeling, toxicology, pesticide poisoning symptoms and first aid treatments, pesticide handling, protective clothing and safety devices, equipment and calibration, adverse environmental effects, pesticide compatibility and combination, residues, and non-chemical pest control strategies. Includes toxicity charts, checklists for avoiding pesticide exposure, and a glossary of pesticide terminology.

*NAL Call No.:* SB952.5.S7 1983

### **Pesticide applicator certification.**

Nesheim, O. Norman.

[Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, [1981]. -- OSU extension facts ; no. 7455.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Explains why pesticide applicators must be certified, who must be certified, Oklahoma certification procedures, where to take examinations and permits, fees, and bonds. Includes summary of information on pesticide labels. For private and commercial applicators and non-commercial applicators.

*NAL Call No.:* S544.3.O5O5 no.7455

### **Pesticide applicator recertification workbook : private applicators.**

Dewey, Jerald E.; Pendleton, R. F.

Ithaca, N.Y. : Cooperative Extension, Chemicals-Pesticides Program, New York State College of Agriculture and Life Sciences at Cornell University, [1983]. ix, 319 p. : ill. ; 28 cm.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC private core training; PATC recertification

*Abstract:* This self-study workbook is one part of the three part Private Pesticide Applicator Recertification packet in New York State, distributed with the Pesticide Compendia and Cornell Fact Sheet 4-132. It updates and supplements information in the core manual and highlights the latest pesticide technology and equipment. Agricultural pests are identified and treatment strategies are recommended.

*NAL Call No.:* SB965.P45

### **Pesticide applicator training.**

Jackson, M. J. 1922-; Lockerman, Ronald H.; Rieselman, Jack.

Montana State University (Bozeman). Cooperative Extension Service.

[Bozeman, Mont.] : Montana State University, Extension Service, [1990?]. 1 portfolio : ill. (some col.), map ; 30 cm.

*Place of publication:* Montana. *Language:* English.

*Descriptors:* PATC private core training

*Abstract:* This private pesticide applicator training packet contains brochures and publications on a variety of topics including pesticide formulations, shelf life, cold weather storage and handling; chemical fires; labeling; safety; safe handling, storage, and disposal; and pesticide poisoning recognition and treatment. Sprayer protective clothing and appliances, sprayer calibration, and maintenance are covered. Information is provided on ticks, aphids, insect pests on cattle and sheep, weed control, water quality and agrichemicals and seed treatment for small grain. Used for 1990

## PATC private core training

training.

*NAL Call No.:* SB950.2.M9P45

### **Pesticide applicator training.**

University of Arkansas, Fayetteville. Cooperative Extension Service.

[Fayetteville, Ark.?] : University of Arkansas Cooperative Extension Service, [1989?]. 266 slides : col. + 1 script.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC private core training

*Abstract:* This private pesticide applicator training slide program with accompanying script consists of sections on Integrated Pest Management (IPM); pesticides including information on labels, formulations, toxicity, entry, exposure, poisoning symptoms, safe handling, storage and disposal; application equipment and calibration for chemigation and broadcast sprayers; pesticides in the environment, reducing their adverse effects and groundwater contamination risks; and nitrogen management.

*NAL Call No.:* Slide no.339

### **Pesticide applicator training : [private applicator : grower version].**

Purdue University.

West Lafayette, Ind. : Purdue University, [198-?]. 1 v. (various pagings) : ill. (some col.) ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC private core training; PATC plant agricultural pest

*Abstract:* This training manual for private pesticide applicators growing agricultural commodities contains materials summarizing FIFRA's purpose, federal and state laws pertaining to private applicators of pesticides, distinctions between toxicity and hazard, chronic toxicity, proper pesticide use, storage and disposal guidelines, and liability/potential penalties for pesticide misuse/spills. It covers groundwater contaminants, run-off, controlling spray drift, and protecting honey bees. Major topics are corn rootworm management by granular soil insecticides and perennial weed control by Roundup. Restricted use pesticide

specimen labels and calibration charts are included.

*NAL Call No.:* SB951.P4636

### **Pesticide applicator training : [private applicator, fumigation].**

Purdue University.

[West Lafayette, Ind.?] : Purdue University, [198-?]. 1 v. (various pagings) : ill. (some col.) ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC private core training; PATC fumigation

*Abstract:* This training manual for private applicators of fumigants contains a certification training module, a list of insect and vertebrate pests, and pictorial keys for insect pest identification. It outlines federal and state regulations affecting private applicators, Indiana Emergency Treatment Centers, and toxicity and hazard of grain fumigants. The DEGESCH Phostoxin applicator's manual is provided.

*NAL Call No.:* SB951.P4635

### **Pesticide applicator training : [private applicator training materials].**

Purdue University.

West Lafayette, Ind. : Purdue University, [198-?]. 1 v. (various pagings) : ill. (some col.) ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC private core training

*Abstract:* Private applicator training is the focus of this Purdue University PAT manual. This trainers' version covers federal and state laws and restrictions on wood preservatives pertaining to private pesticide applicators. This looseleaf manual contains a variety of materials on toxicity, controlling spray drift, groundwater contamination, storage and disposal of pesticides, labels, calibration, proper application techniques and specific pest management techniques.

*NAL Call No.:* SB951.P4637

### **Pesticide applicator training manual : core manual.**



## PATC private core training

Northeastern Regional Pesticide Coordinators; New York State College of Agriculture and Life Sciences. Chemical-Pesticides Program. 2nd ed. / [revised and updated by the Chemical-Pesticide Program].

[Ithaca, N.Y.?] : The Coordinators, 1990. 1 v. (loose-leaf) : ill. ; 30 cm.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* The 2nd edition of the core manual for pesticide applicator training in the Northeastern United States (MA, CT, MD, PA, NJ, ME, NH, RI, NY, WV, VT and DE) contains the basic critical information pesticide applicators are required to know in order to pass their state certification examination. The first section of the manual covers background information on: rules and regulations; safety; toxicity; ecological dangers and environmental concerns; and symptoms and first aid for pesticide poisoning. Part 2 focuses on IPM, identification of pests, types of pesticides, pesticide labels and labeling, application equipment, equipment calibration, pesticide disposal, pesticide storage and required record keeping. Includes chapter of self-study questions and answers and a glossary.

*NAL Call No.:* SB952.863.A115P4 1990

### **Pesticide applicator training program.**

Utah State University. Cooperative Extension Service; Utah State University.

Logan, Utah : Cooperative Extension Service, Utah State University, [1990]. 1 portfolio : ill. (some col.) ; 30 cm. + 2 emergency telephone numbers cards.

*Place of publication:* Utah. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This packet provides educational training and information to assist pesticide applicators in becoming certified or recertified in Utah to buy and use restricted use pesticides.

*NAL Call No.:* SB950.2.U8P472

### **Pesticide applicator training program : core supplement.**

Alm, Steven R.; Siligato, Peggy.

Kingston, R.I. : University of Rhode Island, Cooperative Extension, College of Resource Development, [1991]. 208 p. : ill., map ; 28 cm.

*Place of publication:* Rhode Island. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This manual for private and commercial applicators in Rhode Island supplements Cornell's core training manual. Major topics covered include: pesticide safety and handling; groundwater protection; federal and state right-to-know laws; pesticide measurement, application, calibration, and additives; pesticides and health; pesticide issues; and applicator licensing and certification procedures. Includes a pesticide telephone directory and five work sheets and corresponding answer sheets.

*NAL Call No.:* SB952.8.P47

### **Pesticide applicator training update.**

Florida Cooperative Extension Service.

Gainesville, Fla. : The Service, 1987. 11 p., [8] p. of plates : ill. ; 28 cm.

*Place of publication:* Florida. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This booklet for certified pesticide applicators contains important updated information on applying pesticides correctly. Topics covered are: Florida pesticide law and rules, disposal of pesticide waste containers, handling pesticide spills, groundwater advisory statement on pesticide labels, endangered species pesticide label restrictions, and laundering the pesticide applicator's clothing. Includes 4 detachable safety posters: Pesticide Spill Clean-up Instructions, Triple Rinse, Rubber Glove Zone and Pesticide Applicator's Phone List.

*NAL Call No.:* SB950.2.F6P4

## PATC private core training

### **Pesticide compendia : fungicides, herbicides, insecticides, rodenticides.**

Dewey, Jerald E.; Pendleton, R. F.; Smith, W. G. Ithaca, N.Y. : Cooperative Extension, Chemicals-Pesticides Program, New York State College of Agriculture and Life Sciences at Cornell University, [1984]. 127 p. ; 28 cm.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC private core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC recertification

*Abstract:* This compendia contains useful information relating to pesticides recommended in New York state. It is included in New York state's three part recertification packets for private pesticide applicators and for commercial pesticide applicators certified in Agricultural-Plant and/or Ornamentals and Turf. The purpose of the compendia is to place in one reference book the producers, formulations, restrictions, toxicity, residual, environmental and compatibility hazards of fungicides, herbicides, insecticides and rodenticides including chemical repellents available in New York state. There is an additional guide to pesticide manufacturers that includes emergency phone numbers as well as a chart of exposure and poisoning symptoms cross referenced with the chemical family and type of pesticide.

*NAL Call No.:* SB950.2.N7P476

### **Pesticide education manual : a guide to safe use and handling.**

Brown, Cynthia L.; Hock, Winand K.; Gucciardo, Linda S.

[Augusta, Me.?] : University of Maine Cooperative Extension, 1989. vi, 105 p. : col. ill. ; 28 cm. + 1 commercial applicator certification packet + 1 1990 update sheet + 1 emergency phone numbers sheet.

*Place of publication:* Maine. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This core manual for private and commercial pesticide applicators provides information on pests, integrated pest management (IPM) concepts, pesticide formulations and labels, pesticide

hazards and safety, equipment, and federal and Maine pesticide laws. Includes chapter review questions and an answer key, conversion factors and pesticide calculations, and a glossary.

*NAL Call No.:* SB952.863.M2P4

### **Pesticide education manual : a guide to safe use and handling.**

Morgan, Edna Ruth; Brown, Cynthia L.

Mississippi State University. Cooperative Extension Service.

[Mississippi State, Miss.] : Cooperative Extension Service, Mississippi State University, [1990]. v, 103 p. : ill. ; 28 cm. -- Publication (Mississippi State University. Cooperative Extension Service) ; 1478.

*Place of publication:* Mississippi. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Designed to prepare individuals seeking private or commercial applicator certification for the core examination, this manual covers pests, integrated pest management (IPM), insect, weed, vertebrate pest and disease control, pesticide formulations, labels, toxicity, federal and state pesticide laws and regulations, safe use and handling practices, environmental concerns including groundwater contamination, application equipment maintenance and calibration. Review questions follow each chapter; answers are provided. Contains a glossary, mathematical conversion factors and pesticide dosage calculations.

*NAL Call No.:* 275.29 M68Ext no.1478

### **Pesticide equipment calibration : formulas, conversion & examples.**

Vandre, Wayne.

Anchorage, Alaska : Cooperative Extension Service, [198-?]. 1 v. (unpaged) ; 28 cm.

*Place of publication:* Alaska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This manual for pesticide applicators in the state of Alaska, stresses the correct application rate of pesticides. Pesticide equipment calibration



## PATC private core training

techniques, formulas and examples are cited for: compressed air sprayers; boom sprayers; and nozzles. Calculation formulas for mixing all types of pesticides are given, along with examples. Pesticide formulations are compared in terms of advantages and disadvantages to enable the applicator to make appropriate combination selections.

*NAL Call No.:* SB961.V36

### **Pesticide exposure.**

South Dakota State University.  
[Brookings, S.D. : South Dakota State University, 198-?]. 18 transparencies : b&w ; 28 x 22 cm. + 1 script (8 p.).

*Place of publication:* South Dakota. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This training packet on pesticide exposure covers routes of entry (oral, dermal, and inhalation), ways to reduce exposure including protective clothing, acute versus chronic toxicity, and decontamination. Transparencies with text and graphics and a script are included.

*NAL Call No.:* Transparency no.1

### **The pesticide label.**

Schulze, Larry D.; Kamble, Shripat T.  
Lincoln, Neb. : Published by Cooperative Extension, Institute of Agriculture and Natural Resources, University of Nebraska, 1989. -- NebGuide ; G89-937.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This NebGuide identifies and discusses the importance of the parts of a pesticide label. A sample label with numbered parts is provided for reference. This publication aims to further understanding of pesticide labels and the safe and proper application of pesticides.

*NAL Call No.:* S451.N2N3 no.G89-937

### **Pesticide laws and regulations.**

Vitzthum, Edward F.; Schulze, Larry D.; Gold Roger E.

Rev. August 1987.

Lincoln, Neb. : Published by Cooperative Extension Service, Institute of Agriculture and Natural Resources, University of Nebraska, 1987. -- NebGuide ; G79-479.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This NebGuide intended solely for general information use discusses some provisions of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and of the Nebraska Pesticides and Devices Act. It covers FIFRA's sections on private and commercial applicator user categories, certification, unlawful acts, and penalties. The Nebraska law's certification requirements and commercial applicator categories are presented.

*NAL Call No.:* S451.N2N3 no.G79-479 1987

### **Pesticide licensing guide.**

Thomasson, Gary L.; Ramsay, Carol A.

Rev. October 1989.

[Pullman, Wash.?] : Cooperative Extension, College of Agriculture and Home Economics, Washington State University, 1989. 1 v. (unpaged) ; 28 cm.

*Place of publication:* Washington. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* The state of Washington instructions and requirements for pesticide certification and licensing examinations are covered in this guide.

*NAL Call No.:* SB952.863.W2P49 1989

### **Pesticide performance.**

Johnson, Paul.

South Dakota State University.

[Brookings, S.D. : South Dakota State University, 198-?]. 16 transparencies : 6 b&w ; 28 x 22 cm. + 1 script (5 p.).

## PATC private core training

*Place of publication:* South Dakota. *Language:* English.

*Descriptors:* PATC private core training

*Abstract:* The objective of this training packet composed of a script and transparencies is to reduce poor pesticide performance, insure proper timing of pest applications, avoid over or under application, and minimize environmental contamination.

*NAL Call No.:* Transparency no.2

### **Pesticide poisoning signs & symptoms.**

Nebraska Cooperative Extension Service; Pennsylvania State University. Cooperative Extension Service. Rev. / by Pennsylvania Cooperative Extension.

[University Park, Pa.] : Pennsylvania Cooperative Extension, 1988. 80 slides : col. + 1 sound cassette (ca. 30 min.) + 1 script.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This slide/tape program with accompanying script describes signs and symptoms of poisoning by organophosphates, carbamates, bipyridyls, and organochlorines, what to do in a pesticide poisoning situation, and medical and emergency treatment. It shows a farmer experiencing pesticide poisoning due to unsafe pesticide application habits and lack of protective clothing, his wife's recognition and appropriate handling of the poisoning and his medical treatment. Used in private and commercial applicator certification training.

*NAL Call No.:* Slide no.338

### **Pesticide registrants and brands.**

Adams, Donald S.  
Clemson University. Fertilizer and Pesticide Control. [1990 ed.].  
[Clemson, S.C.] : The Dept., [1990].

*Place of publication:* South Carolina. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This manual contains a listing of pesticide products for sale in the state of South Carolina registered with the Department of Fertilizer and Pesticide Control as required by state law. The list cross references the manufacturers, products and year of registration. Restricted Use Products are identified with an asterisk.

*NAL Call No.:* SB951.S629 1990

### **Pesticide safety in the greenhouse.**

University of California, Davis. Visual Media.  
Davis, Calif. : Visual Media, University of California, Davis, [1986]. 1 videocassette (VHS) (21 min.) : sd., col. ; 1/2 in.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC ornamental, turf pest control

*Abstract:* This video, developed under a grant from the U.S. Environmental Protection Agency, is designed to aid managers and supervisors in identification and resolution of problems inherent in greenhouse use of pesticides.

*NAL Call No.:* Videocassette no.359

### **Pesticide storage for farms and businesses.**

Cress, Donald C.  
Kansas State University. Cooperative Extension Service.  
[Manhattan, Kan.?] : Kansas State University, Cooperative Extension Service, [1991?]. 1 videocassette (16 min., 30 sec.) : sd., col. ; 1/2 in. -- Pesticide applicator training series.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This videotape provides an overview of pesticide storage concerns and explains how to safely store pesticides. Floor plans, building materials, safety features and considerations when building a new or renovating an existing pesticide storage structure are discussed. It emphasizes the minimum features a pesticide storage building should have: warning signs, locked doors accessible



## PATC private core training

only to authorized persons, separation of chemicals by pesticide class (herbicide, fungicide, or insecticide), proper container shelving arrangements, a clean water supply, and temporary storage of empty containers until proper rinsing and disposal.

*NAL Call No.:* Videocassette no.981

### **Pesticide study questions : pesticide training manual.**

Wilson, John H.

North Carolina Agricultural Extension Service.  
Raleigh, N.C. : North Carolina Agricultural Extension Service, [1986?]. 80 p. ; 28 cm.

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC institutional, structural pest control; PATC pesticide dealers and distributors

*Abstract:* This handbook is a self-study guide containing sample and review questions for pesticide applicators preparing for their certification examination in the state of North Carolina or for structural pest control certification.

*NAL Call No.:* SB950.73.U52N8

### **Pesticide training manual : applying pesticides correctly : a programmed instruction workbook for private pesticide applicator certification.**

Meltzner, Joel R.; Wilson, John H. 1933-.

North Carolina Agricultural Extension Service.  
Rev. July 1984.

[Raleigh, N.C.] : N.C. Agricultural Extension Service, [1984]. 1 v. (various pagings) : ill. ; 28 cm.

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC private core training

*Abstract:* This programmed pesticide instruction workbook is for the North Carolina pesticide applicator applying for private pesticide applicator certification. Multiple choice questions on pests, pest control methods, application equipment and techniques, labels and labeling, safe use and the federal and North Carolina laws are pretested and

tested. Answered are supplied.

*NAL Call No.:* SB965.P48 1984

### **Pesticides : how they work, personal safety and emergency measures.**

Osmun, John V.; Hollingworth, Robert M., 1939-  
Purdue University. Cooperative Extension Service.  
Rev. 7/89.

West Lafayette, Ind. : Purdue University Cooperative Extension Service, 1989. 16 p. : ill. ; 28 cm. --  
E (Purdue University. Cooperative Extension Service) ; 62.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Discusses principles of pesticide toxicity, hazards and routes of exposure. Also covers pesticide poisoning symptoms, first aid and safety tips. For agricultural workers, growers, certified applicators, non-certified applicators and the general public.

*NAL Call No.:* SB844.I6P8 no.62 1989

### **Pesticides covered under SARA Title III.**

Hamilton, George C., 1957-.

New Brunswick, N.J. : Rutgers Cooperative Extension, N.J. Agricultural Experiment Station, Rutgers, the State University of New Jersey, [1988?].

*Place of publication:* New Jersey. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* New Jersey fact sheet #353 cross references 400 chemicals used as pesticides on the EPA Extremely Hazardous Substances List (SARA Title III) by common name, trade name, threshold planning quantity and reportable quantity.

*NAL Call No.:* S544.3.N5F7 no.353

### **Post test questions : private pesticide applicator post test.**

Wilson, John H., Jr.

## PATC private core training

[Raleigh, N.C.?] : North Carolina Agricultural Extension Service, [1986?]. 6 p. ; 22 x 28 cm.

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC private core training

*Abstract:* The North Carolina Private Pesticide Applicator Post Test, designed to be used as a certification training tool, consists of 20 multiple choice questions and answers.

*NAL Call No.:* SB950.W54

### **Prevention and treatment of pesticide poisoning.**

Jennings, Bringle; Fant, Charlotte Mills.

[Rev.].

[Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, 1989. -- MP (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 198.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC agricultural worker; PATC non-certified applicator

*Abstract:* Covers first aid and emergency response for pesticide poisoning including preparation of appropriate first aid kits. Includes Arkansas Poison Control Center numbers. For agricultural workers, growers, certified applicators, non-certified applicators, and the general public.

*NAL Call No.:* 275.29 Ar4Mi no.198 1989

### **Private applicator.**

Wolf, Robert E.

University of Illinois at Urbana-Champaign. Agricultural Experiment Station.

Urbana, Ill. : University of Illinois at Urbana-Champaign, College of Agriculture, Cooperative Extension Service in cooperation with the Illinois Natural History Survey, [1990?]. 130 p., [8] p. of leaves : ill. (some col.) ; 28 cm. -- Special publication (University of Illinois at Urbana-Champaign. Agricultural Experiment Station) ; 39-7.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC private core training

*Abstract:* Designed to prepare individuals for private applicator certification, this Illinois Pesticide Applicator Training Manual includes information on pests and their control, integrated pest management (IPM), understanding pesticides and labels, safety and environmental protection, application equipment and calibration, and pesticide laws and regulations. It contains study questions which follow each chapter, instructions for obtaining certification and telephone numbers for Illinois' County Cooperative Extension offices in Appendix I, hazardous and special-waste disposal sites in Appendix II, pesticide formulation and toxicity tables, a glossary, conversions and dilution tables, illustrations and color photographs.

*NAL Call No.:* 276 IL623 no.39-7

### **Private applicator certification manual.**

Teig, Donald.

Fargo, N.D. : NDSU Extension Service, [1988]. -- Extension bulletin (North Dakota State University. Cooperative Extension Service) ; EB46.

*Place of publication:* North Dakota. *Language:* English.

*Descriptors:* PATC private core training

*Abstract:* This manual is for private pesticide applicators seeking certification in the state of North Dakota. The principles and methodologies of insect, vertebrate and weed pests and plant disease control including identification, diagnosis, treatment and pesticide application technologies for spray, broadcast, band, granular, fumigant and irrigation (chemigation) applicators that maximize control while not overtly endangering the safety management options or the environment are suggested. Toxicity of each class of pesticides, label warnings, laws and regulations and first aid treatments are also discussed.

*NAL Call No.:* S544.3.N9N6 no.46

### **Private applicator certification/recertification to use "restricted use pesticides" : review book.**

Nebraska Cooperative Extension Service.

[Lincoln, Neb.?] : Cooperative Extension Service,



## PATC private core training

University of Nebraska, [198-?]. 12 p. : ill. ; 28 cm.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training

*Abstract:* This review manual is for pesticide applicators seeking certification or recertification as private pesticide applicators in the state of Nebraska. It contains multiple choice study questions and answers.

*NAL Call No.:* SB952.863.N2P7

### **Private applicator pesticide education manual : a guide to safe use and handling.**

Ramsay, Carol A.; Thomasson, Gary L.  
Washington State University. Cooperative Extension Service.

Pullman, Wash. : Washington State University, Cooperative Extension, College of Agriculture & Home Economics, 1990. viii, 113 p. : ill. ; 28 cm. -- Misc. (Washington State University. Cooperative Extension Service) ; 0126.

*Place of publication:* Washington. *Language:* English.

*Descriptors:* PATC private core training

*Abstract:* This private applicator manual provides information on: pest management tactics and integrated pest management (IPM) concepts; insect, mite, weed and vertebrate pests, plant diseases and pathogens and their control; pesticide formulations, labels, and hazards; safe handling and use of pesticides; environmental concerns; application equipment maintenance and calibration; federal and Washington pesticide laws. Includes review questions and answers, mathematical conversions, pesticide dosage calculations, Washington state restricted use pesticides list, and a glossary.

*NAL Call No.:* SB950.2.W2P7

### **Private applicator workbook.**

Anderson, Diane.  
University of Illinois at Urbana-Champaign. Cooperative Extension Service.

[Urbana, Ill.] : Cooperative Extension Service, College of Agriculture, University of Illinois at Urbana-Champaign, [1987?]. 20 p. ; 28 cm. --

Pesticide applicator training.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC private core training

*Abstract:* This workbook, based on the Illinois training manual for private applicator certification, contains questions on understanding pesticides/formulations and mixing; pesticide poisoning; safe handling practices; protecting the environment; labels and labeling; insect and insect relatives; weed identification and control; plant diseases; Integrated Pest Management; application equipment; and calibration problems.

*NAL Call No.:* SB950.2.I3P75

### **Private applicator workbook.**

Anderson, Diane.

University of Illinois at Urbana-Champaign. Cooperative Extension Service. [Rev.].

[Urbana, Ill.] : Cooperative Extension Service, College of Agriculture, University of Illinois at Urbana-Champaign, 1990. 36 p. ; 28 cm. -- Pesticide applicator training.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC private core training

*Abstract:* Questions and calibration problems in this workbook correspond to information in the Illinois training manual for private applicator certification. This workbook covers Integrated Pest Management; insects and insect relatives; weed identification and control; plant diseases; understanding pesticides; labels and labeling; human pesticide poisoning; pesticides in the environment; safe handling of pesticides; and application equipment and calibration.

*NAL Call No.:* SB950.2.I3P75 1990

### **Private pesticide applicator manual.**

Brooks, Leroy.

Kansas State University. Cooperative Extension Service. Rev.

Manhattan, Kan. : Kansas State University, Cooperative Extension Service, [1987]. 72 p. : ill. ; 28 cm. -- MF (Kansas State University. Cooperative Extension Service) ; 531.

*Place of publication:* Kansas. *Language:* English.

## PATC private core training

*Descriptors:* PATC private core training

*Abstract:* This study guide for the Kansas Private Pesticide Applicator Certification exam covers animal and plant agricultural pests and their control. It provides information on pesticide properties, labels, formulations, application, safety, state and FIFRA regulations, equipment calibration, IPM control measures, and defines pest control terms. Target audience is Kansas Agricultural Products Producers.

*NAL Call No.:* S544.3.K2K3 no.531 1987

### **Private pesticide applicator manual : recertification.**

Rosenbaum, Robin R.; Olsen, Larry G.; Creagh, Keith E.

Michigan State University. Cooperative Extension Service.

East Lansing, Mich. : Michigan State University, Cooperative Extension Service, [1989]. 34 p. ; 28 cm. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; E-2156.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC private core training; PATC recertification

*Abstract:* This manual is designed to be a review of pests and pesticide uses, hazards, storage, disposal and applications for the private applicator applying for recertification. General environmental concerns are discussed as are safety precautions. There are self study questions at the end of each chapter and emergency phone numbers of poison control centers.

*NAL Call No.:* 275.29 M58B no.2156

### **Private pesticide applicator recertification manual.**

Wilson, John H 1933-.

North Carolina Agricultural Extension Service.

[Raleigh, N.C.] : N.C. Agricultural Extension Service, [1987?]. 44 p. : ill. ; 28 cm.

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC recertification; PATC private

core training

*Abstract:* This manual is used in North Carolina's private pesticide applicator recertification training programs. It covers updated pesticide laws and regulations, proper handling and application techniques, health and safety concerns, and environmental protection measures. Multiple choice review questions and answers are provided.

*NAL Call No.:* SB965.W5

### **Private pesticide applicator recertification manual : pesticide training manual [1990].**

Wilson, John H 1933-; Yoder, Karen; Baniecki, John F. 1938-.

West Virginia. Dept. of Agriculture; West Virginia University. Cooperative Extension Service. Rev.

[Charleston, W. Va. : West Virginia Dept. of Agriculture ; West Virginia University, Cooperative Extension Service], 1990.

Morgantown, W. Va. 43 p. : ill. ; 28 cm.

*Place of publication:* West Virginia. *Language:* English.

*Descriptors:* PATC private core training; PATC recertification

*Abstract:* This 1990 manual for private pesticide applicator recertification training in West Virginia includes information about: (1) recent changes in the pesticide laws and regulations, (2) health-related pesticide safety measures, (3) environmental issues, and (4) common problems in using pesticides properly. Special attention is given to toxicity and safety precautions, proper disposal of pesticide waste and containers, and the protection of bees. Emergency phone numbers for fire, spillage, transportation, natural disaster and poisoning are listed as well as pesticide producers' emergency phone numbers and West Virginia State Agency contact personnel phone numbers.

*NAL Call No.:* SB965.W52 1990

### **Private pesticide applicator safety tips and record keeping guide.**

Iowa State University. Cooperative Extension Service. Rev.

Ames, Iowa : Iowa State University Extension, [1988]. 38 p. : forms ; 16 cm. -- PAT ; 3.



## PATC private core training

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC private core training

*Abstract:* This pocket-sized guide provides tips for recognizing pesticide poisoning symptoms, treating pesticide exposure, handling spills, understanding toxicity categories and formulations, and calibrating sprayers. It contains Iowa poison control center addresses and phone numbers and a log for recording pesticide application information.

*NAL Call No.:* SB952.863.I8P75 1988

### **Private pesticide applicator study guide.**

Wintersteen, Wendy; Reichert, Eileen.  
Iowa State University. Cooperative Extension Service.

Ames, Iowa : Iowa State University Extension, [198-?]. 116 p. : ill. ; 30 cm. + 3 pamphlets + 1 sticky sprayer calibration label. -- PAT ; 1.

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC private core training

*Abstract:* This study guide includes information on pesticides; labels; safety; environmental effects; application equipment and calibration; laws; identification and control of pests, weeds, and diseases; a glossary; and appendixes of pesticides, pesticides subject to right-to-know legislation, and state and federal agencies. It also contains a calibration procedure label designed to affix to a broadcast sprayer and publications on IPM and laundering pesticide soiled clothing. Its loose-leaf format permits easy updating.

*NAL Call No.:* SB952.8.P7

### **Private pesticide applicator study guide.**

Wintersteen, Wendy; Ballantine, Sue.  
Iowa State University. Cooperative Extension Service. [Rev.].

Ames, Iowa : Iowa State University Extension, 1990. 1 v. (loose-leaf) : ill. ; 30 cm. -- PAT ; 1.

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC private core training

*Abstract:* This private applicator study guide includes information on pesticides; labels; safety; en-

vironmental effects; application equipment and calibration; federal and Iowa laws and regulations; identification and control of insect pests, weeds, and diseases; and Integrated Pest Management (IPM). Appendixes contain comparisons of toxicological risks associated with pesticide exposure, lists of hazardous pesticides, state and federal agencies, emergency telephone numbers and poison control centers, and suppliers of protective clothing and equipment. Its loose-leaf format permits easy updating.

*NAL Call No.:* SB952.8.P7 1990

### **Private pesticide applicator's training manual.**

United States. Environmental Protection Agency. [Denver, Colo.] : U.S. Environmental Protection Agency, Region VIII, [1989]. iv, 132 p. : ill. ; 28 cm. + 1 questionnaire (22 p. : forms ; 28 cm.).

*Place of publication:* Colorado. *Language:* English.

*Descriptors:* PATC private core training

*Abstract:* This EPA Region VIII home study course prepares pesticide applicators for certification or recertification as private pesticide applicators. A pesticide applicator certification application form and examination are included with the manual. The course covers: laws and regulations; labeling; pest identification; integrated pest management techniques; pesticide classifications, formulations and hazards; application equipment, including chemigation systems, fumigation equipment, sprayers and granular applicators; equipment calibration methods; protective equipment; and first aid for poisoning. Contains a glossary.

*NAL Call No.:* SB952.86.P73

### **Protecting Alaska's groundwater quality.**

Vandre, Wayne.  
University of Alaska (System). Cooperative Extension Service.

[Fairbanks, Alaska] : Cooperative Extension Service, University of Alaska Fairbanks ; USDA, [1990]. [Washington, D.C.?] [2] p. ; 28 cm.

*Place of publication:* Alaska. *Language:* English.

*Descriptors:* PATC private core training; PATC

## PATC private core training

commercial core training; PATC general public and homeowners

*Abstract:* Preventative measures to protect groundwater quality are highlighted in this publication for individuals including farmers, home gardeners, and applicators, using pesticides in Alaska.

*NAL Call No.:* TD427.P35V3

**Protecting groundwater from pesticides.**  
Iowa State University. Cooperative Extension Service.  
[Ames, Iowa : Iowa State University Extension], c1990. 1 videocassette (18 min.) : sd., col. ; 1/2 in.  
-- Pesticide applicator training series.

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Five pesticide applicator practices to minimize groundwater contamination from pesticides are emphasized in this videotape. Three factors which influence whether a pesticide will reach groundwater--land, soil type and depth to groundwater--are examined. Persistence, solubility and absorption, three pesticide characteristics to consider when evaluating its potential for leaching, are discussed. The importance of reading and following the pesticide label, integrated pest management (IPM) techniques, and proper storage and disposal of pesticides to maintain groundwater quality are stressed.

*NAL Call No.:* Videocassette no.985

**Protecting South Carolina groundwater quality : a workbook for certified pesticide applicators.**

Clemson University. Cooperative Extension Service.

Clemson, S.C. : Cooperative Extension Service, Clemson University, [1990]. 9 p. ; 28 cm. -- WQL ; 11.

*Place of publication:* South Carolina. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This workbook for certified pesticide applicators contains 47 multiple choice questions on groundwater and protecting South Carolina groundwater quality.

*NAL Call No.:* TD224.S6P77

**Protecting water, protecting crops : pesticides and water quality.**

North Carolina Agricultural Extension Service; North Carolina State University. National version.

Raleigh, N.C. : North Carolina State University : North Carolina Agricultural Extension Service, [1987?]. 1 videocassette (23 min.) : sd., col. ; 1/2 in. + 1 summary fact sheet.

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Covers how pesticides enter the water supply through drift, evaporation, runoff, leaching, improper disposal, and chemigation. Highlights practical actions to prevent contamination including integrated pest management. Includes national groundwater vulnerability map and pinpoints a dozen pesticides of greatest concern as groundwater contaminants. Video for certified applicators, non-certified applicators and growers.

*NAL Call No.:* Videocassette no.915

**Protection of groundwater from fertilizers and pesticides.**

McWilliams, D. A.

Texas Agricultural Extension Service.

College Station, Tex. : Texas Agricultural Extension Service, [1990?]. 16 p. : ill. ; 28 cm. -- B (Texas Agricultural Extension Service) ; 1642.

*Place of publication:* Texas. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This booklet prepared by the Texas Agricultural Extension Service alerts pesticide applicators to environmentally safe practices for using fertilizers and pesticides. Tables include control



## PATC private core training

practices to prevent nitrogen loss, manure loss, and phosphorus loss as well as practices to prevent pesticide loss. Contains check lists of do's and don'ts for using nitrogen and phosphate fertilizers, manure and other organic materials, and pesticides. Includes map from the Texas Water Commission indicating groundwater pollution potential ratings, called DRASTIC indices, which evaluate seven measurable factors for each hydrogeologic setting.

*NAL Call No.:* TD428.A37P7

### **Protective clothing and equipment for pesticide applicators.**

Vitzthum, Edward F.; Nelson, Emery W.; Anderson, Lloyd W. 1924.

Lincoln, Neb. : Published by Cooperative Extension Service, Institute of Agriculture and Natural Resources, University of Nebraska, 1985. -- Neb-Guide ; G85-758.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* The NebGuide describes the proper protective clothing and equipment required for safety when applying slightly, moderately and highly toxic pesticides. It contains a protective clothing and equipment guide based on pesticide formulation and degree of toxicity, addresses of manufacturers and suppliers of approved respirators and protective apparel, clothing care tips, and metric conversions.

*NAL Call No.:* S451.N2N3 no.G85-758

### **Protective clothing for pesticide users.**

National Agricultural Chemicals Association; United States. Extension Service; United States. Environmental Protection Agency.

Washington, D.C. : National Agricultural Chemicals Association : U.S. Dept. of Agriculture, Extension Service : U.S. Environmental Protection Agency, [198-?]. 1 sheet : col. ill. ; 56 x 43 cm. folded to 28 x 22 cm.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC private core training; PATC

commercial core training

*Abstract:* This safety poster provides information on how to select and care for protective clothing and equipment for pesticide applicators handling dilute pesticides and concentrates. The potential hazards of pesticides and safety precautions are discussed.

*NAL Call No.:* SB952.5.P75

### **Protective clothing for pesticide users.**

National Agricultural Chemicals Association; United States. Dept. of Agriculture; United States. Environmental Protection Agency.

[Columbus, Ohio] : The Service, 1988 printing. 1 v. (unpaged) : col. ill. ; 28 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 750.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This booklet provides information on how to select and care for protective clothing and equipment for applicators handling dilute pesticides and concentrates. The potential hazards of pesticides and safety precautions are discussed. The last page covers pesticide and empty container disposal and groundwater protection.

*NAL Call No.:* 275.29 Oh32 no.750

### **Reading a pesticide product label.**

Kamrin, Michael.

[East Lansing, Mich.] : Center for Environmental Toxicology, Cooperative Extension Service, Michigan State University, [1989].

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Eleven legal pesticide label requirements are indicated on a sample label and described in this publication. Signal words which denote toxicity categories and the use classification statement are discussed. Pesticide Emergency Information is supplied.

*NAL Call No.:* 275.29 M58B no.E-2182

## PATC private core training

### Restricted use pesticides.

9th ed.

Mississippi State, Miss. : Extension Service, Mississippi State University, 1989]. -- Publication (Mississippi State University. Cooperative Extension Service) ; 1222.

*Place of publication:* Mississippi. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Lists restricted use pesticides available in Mississippi giving reasons why each pesticide is restricted. Includes cross reference of common and commercial pesticide names and instruction on how to become a private or commercial certified applicator in Mississippi. For growers, certified applicators, and non-certified applicators.

*NAL Call No.:* 275.29 M68Ext no.1222 1989

### Ropa protectora para los que usan pesticidas.

National Agricultural Chemicals Association; United States. Extension Service; United States. Environmental Protection Agency.

Washington, D.C. : National Agricultural Chemicals Association : U.S. Dept. of Agriculture, Extension Service : U.S. Environmental Protection Agency, [198-?]. 1 sheet : col. ill. ; 56 x 43 cm. folded to 28 x 22 cm.

*Place of publication:* District of Columbia. *Language:* Spanish.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This safety poster provides information on how to select and care for protective clothing and equipment for pesticide applicators handling dilute pesticides and concentrates. The potential hazards of pesticides and safety precautions are discussed.

*NAL Call No.:* SB952.5.P7518

### The safe and effective use of pesticides.

Marer, Patrick J.; Flint, Mary Louise, 1949-; Stim-

mann, Michael W.

University of California Integrated Pest Management Program.

Oakland, Calif. : University of California Statewide Integrated Pest Management Project, Division of Agriculture and Natural Resources, 1988. x, 387 p. : ill. ; 28 cm. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 3324. -- Pesticide application compendium ; 1.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners

*Abstract:* Developed for use as a study guide for the State of California Qualified Pesticide Applicator License (QL) or Qualified Pesticide Applicator Certificate (QC) examinations, this manual provides information on how to use, handle, select, store, clean-up and dispose of pesticides safely and effectively. Pest identification, pest management concepts, and personal and environmental hazards associated with pesticide use are covered. Pesticide laws and regulations, protective clothing and equipment, first aid, procedures for handling emergencies, application equipment and calibration are discussed. Includes a glossary and conversion factors for calibration. This instructional guide is also a useful reference for growers, structural pest control operators, pest control advisors, pest management students, homeowners, or anyone involved in pesticide use decisions.

*NAL Call No.:* SB951.M29

### Safe handling of pesticides.

Zavala, Melanie.

University of California, Davis. Visual Media.

Davis, Calif. : Visual Media, [1984?]. 115 slides : col. + 1 sound cassette (15 min.) + 1 script (21 l. ; 28 cm.).

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator; PATC plant agricultural pest

*Abstract:* This slide/tape set is aimed at the non-certified pesticide applicator, and also has information of value for the fieldworker who is exposed



## PATC private core training

only indirectly to pesticides. The topics covered include modes of entry of pesticides into the body, poisoning symptoms, first aid procedures, protective clothing, common sense ways of avoiding exposure and personal hygiene. Although the slide set reflects California regulations to a certain extent, it has general information of relevance to all pesticide users.

*NAL Call No.:* Slide no.294

### **Safety and clean up tips.**

University of Massachusetts (Amherst campus). Cooperative Extension Service.  
[Amherst, Mass.?] : Cooperative Extension Service, University of Massachusetts, U.S. Dept. of Agriculture and County Extension Services cooperating, [1985?]. 1 sheet ; 28 cm. -- L (University of Massachusetts (Amherst campus). Cooperative Extension Services) ; 235.

*Place of publication:* Massachusetts. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC general public and homeowners; PATC non-certified applicator

*Abstract:* Single sheet provides safety tips for use of pesticides and cleanup of spills around the home. Gives numbers for Massachusetts Poison Information Center. For growers, certified applicators, non-certified applicators and the general public.

*NAL Call No.:* SB952.5.S325

### **The SARA Title III law.**

Hamilton, George C., 1957-.  
New Brunswick, N.J. : Rutgers Cooperative Extension, N.J. Agricultural Experiment Station, Rutgers, the State University of New Jersey, [1988?].

*Place of publication:* New Jersey. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* New Jersey fact sheet #352 explains the SARA (Superfund Amendments and Reauthorization Act of 1986) Title III federal Right-To-Know (RTK) program as it affects New Jersey pesticide applicators, applicator business and pesticide

dealers in the required emergency planning and notification, emergency release reporting including regulations on drifts and spills, material safety data sheet reporting, and chemical inventory reporting.

*NAL Call No.:* S544.3.N5F7 no.352

### **Selection and care of protective clothing used for pesticide application.**

Kline, Judith S.

Rev. April 1990.

Clemson, S.C. : Clemson University cooperating with U.S. Dept. of Agriculture, South Carolina Counties, Extension Service, [1990]. 3, [1] p. : ill. ; 28 cm.

*Place of publication:* South Carolina. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This publication explains how to select the appropriate type of protective clothing system to use when applying pesticides. Laundering instructions and general precautions for handling clothing worn during pesticide application are outlined. The ways pesticides enter the body and label signal words are reviewed.

*NAL Call No.:* SB952.5.K5 1990

### **Signs and symptoms of pesticide poisoning.**

Schulze, Larry D.; Vitzthum, Edward F.

Rev. July 1990.

Lincoln, Neb. : Published by Cooperative Extension, Institute of Agriculture and Natural Resources, University of Nebraska, 1990. -- NebGuide ; G84-715.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* Signs and symptoms of pesticide poisoning by organophosphates and carbonates, pyrethroids, bipyridyls, organochlorines, fumigants, zinc phosphide and strychnine are described. This NebGuide also explains what to do when pesticide poisoning occurs.

## PATC private core training

NAL Call No.: S451.N2N3 no.G84-715 1990

### Signs and symptoms of pesticide poisoning.

University of Nebraska (Lincoln campus). Cooperative Extension Service.

[Lincoln, Neb.?] : The Service, c1991. 1 videocassette (12 min., 27 sec.) : sd., col. ; 1/2 in. -- Pesticide applicator training series.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This videotape identifies the signs and symptoms of pesticide poisoning by organophosphates and carbamates, fumigants, organochlorines, bipyridyls and wood preservatives. Actions to take to prevent serious consequences of over-exposure are outlined. It emphasizes the importance of telling someone what chemicals you will be using and when you will apply them, always following pesticide label directions and always wearing protective equipment.

NAL Call No.: Videocassette no.987

### Spray equipment and calibration.

Karsky, Tom.

Moscow, Idaho : Cooperative Extension Service, University of Idaho, College of Agriculture, 1986. -- Bulletin (University of Idaho. Cooperative Extension Service) ; no. 658.

*Place of publication:* Idaho. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Information on various spray equipment components and calibration procedures that can be used for application equipment. Drift prevention and container disposal covered. For growers, certified applicators, and non-certified applicators.

NAL Call No.: 100 Id14 no.658

### Sprayer calibration templates.

Michigan State University. Cooperative Extension Service. Software Distribution Center. Version 1. East Lansing, Mich. : Software Distribution Cen-

ter, MSU Cooperative Extension Service, [1988?]. 1 computer disk ; 5 1/4 in. + user manual.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This software package includes three Lotus 1-2-3 templates designed to assist applicators in assessing pesticide needs, calibrating equipment, and establishing rate of application. Air Blast Sprayer, Granular Pesticide Applicator, and Row Crop Sprayer Calibration programs require Lotus 1-2-3 version 1A or higher. In addition to instructions for use, programming documentation is included in the manual.

NAL Call No.: QA76.8.I2594S67 1988

### Storage and disposal of pesticide and containers on the farm.

Brook, Ted S.

Mississippi State, Miss. : Cooperative Extension Service, Mississippi State University, [1982?]. -- Publication (Mississippi State University. Cooperative Extension Service) ; 1334.

*Place of publication:* Mississippi. *Language:* English.

*Descriptors:* PATC private core training

*Abstract:* This Mississippi publication discusses farm pesticide storage facilities and safety features including locks and identification signs, storage containers, and pesticide and empty container disposal methods. Protective clothing, general procedures for spill cleanup, and dangers and safety precautions for handling, storing or disposing of pesticides or pesticide containers are covered.

NAL Call No.: 275.29 M68Ext no.1334

### Study questions for private restricted use pesticide applicators.

Wilson, John.

North Carolina Agricultural Extension Service. Rev. Aug. 1984.

[Raleigh, N.C.?] : North Carolina Agricultural Extension Service, North Carolina State University, [1984]. 16 p. ; 28 cm. -- Pesticide training manual.



## PATC private core training

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC private core training

*Abstract:* This workbook for private restricted use pesticide applicators contains multiple choice and true or false study questions on pests, pest control - pesticides, labels, safety, environment, equipment and calibration, and laws and regulations. Answer key is detachable.

*NAL Call No.:* SB952.863.N8W5 1984

### **Toxicity of pesticides.**

Criswell, Jim T.

Rev.

[Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, 1989. -- OSU extension facts ; no. 7457.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator

*Abstract:* Gives information on how pesticides enter the body, and acute and chronic toxicity information including tables of LD50s. For growers, certified applicators, and non-certified applicators.

*NAL Call No.:* S544.3.O5O5 no.7457 1989

### **Toxicology of pesticides ; Chronic health effects of pesticides.**

Wuerthele, Suzanne.

Montana. Dept. of Agriculture.

Helena, Mont. : Montana Dept. of Agriculture, c1989. 1 videocassette (47 min.) : sd., col. ; 1/2 in.

*Place of publication:* Montana. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* The principles of toxicology (the study of poisons) important to pesticide applicators and the four factors that effect pesticide toxicology; 1) dose; 2) routes of exposure (oral, dermal, and inhalation); 3) physical state; and 4) length of exposure are discussed in this videotape. The chronic health effects of pesticides including photosen-

sitization, skin and allergy sensitization, systemic effects and cancer are covered. The importance of reading the pesticide label, wearing protective clothing and following safe handling practices to minimize exposure is stressed.

*NAL Call No.:* Videocassette no.943

### **Training greenhouse workers to handle pesticides safely.**

Zavala, Melanie.

University of California, Davis. Visual Media; University of California, Davis. Office of Pesticide Information and Coordination.

[Davis, Calif.] : Visual Media, Division of Agriculture and Natural Resources, University of California, Davis, c1986. 1 videocassette (16 min.) : sd., col. ; 1/2 in.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC agricultural worker; PATC non-certified applicator; PATC ornamental, turf pest control

*Abstract:* This video is aimed at non-certified pesticide applicators and is designed to provide them with part of the training they need in order to handle pesticides safely. The video can also be of use for greenhouse workers who have only indirect exposure to pesticides. The presentation covers entry of pesticides into the body, poisoning symptoms, protective clothing and equipment, emergency procedures, and common sense protective measures. It also discusses some of the potential dangers of pesticide use in a greenhouse situation and how they can be avoided. This video was developed under a grant from the U.S. Environmental Protection Agency.

*NAL Call No.:* Videocassette no.362

### **Training greenhouse workers to handle pesticides safely (Japanese ed.).**

Zavala, Melanie; Singleton, Robert.

University of California, Davis. Visual Media.

[Davis, Calif.] : Visual Media, Division of Agriculture and Natural Resources, University of California, Davis, [1986]. 1 videocassette (VHS) (16 min.) : sd., col. ; 1/2 in.

*Place of publication:* California. *Language:* English

## PATC private core training

and Japanese.

*Descriptors:* PATC private core training; PATC commercial core training; PATC non-certified applicator; PATC ornamental, turf pest control; PATC agricultural worker

*Abstract:* This video is aimed at non-certified pesticide applicators. It is designed to provide them with part of the training they need in order to handle pesticides safely. The video can also be of use for greenhouse workers who have only indirect exposure to pesticides. The presentation covers entry of pesticides into the body, poisoning symptoms, protective clothing and equipment, emergency procedures, and common sense protective measures. It also discusses some of the potential dangers of pesticide use in a greenhouse situation and how they can be avoided. This video was developed under a grant from the U.S. EPA.

*NAL Call No.:* Videocassette no.677

### **Training material for commercial/non-commercial pesticide applicators. Private applicator.**

Oklahoma State University. Cooperative Extension Service.

[Stillwater, Okla. : Cooperative Extension Service, Oklahoma State University, 1988]. 1 portfolio : ill. ; 33 cm.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC private core training

*Abstract:* This packet of Private Applicator Home Study materials includes a license application, exam questions and answer sheet, a publication on correct pesticide application procedures, and information sheets on the Endangered Species Act and groundwater protection.

*NAL Call No.:* SB950.2.O5T75

### **Treatment of honey bees : using fluvalinate (Apistan) to detect and control the Varroa mite.**

Gojmerac, Walter L.

Madison, Wis. : University of Wisconsin-Extension, Cooperative Extension, 1988. iv, 59 p. : ill., forms ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC animal agricultural pest

*Abstract:* Training manual for private and/or commercial pesticide applicators who desire to use Apistan under the EPA emergency exemption to treat honey bees infested with Varroa mites. Major topics: emergency exemption requirements; life cycle of the Varroa mite; control options; detecting and treating the Varroa mite; toxicity of pesticides; protecting human health and the environment; Apistan disposal; and label information.

*NAL Call No.:* SF538.5.V37T7

### **Urban storage and disposal of pesticides and containers.**

Nelson, Emery W.; Vitzthum, Edward F.

Lincoln, Neb. : Published by Cooperative Extension Service, Institute of Agriculture and Natural Resources, University of Nebraska, 1984. -- NebGuide ; G84-736.

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This NebGuide provides storage and disposal guidelines for urban pesticide users to follow to avoid accidental poisonings and damage to the environment.

*NAL Call No.:* S451.N2N3 no.G84-736

### **Using pesticides safely : a guide for the applicator.**

Wilkinson, Robert H.

East Lansing, Mich. : Cooperative Extension Service, Michigan State University, [1990].

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This applicator's guide to safe use of pesticides provides information on: the health and environmental effects of pesticides; labels and the three toxicity classifications; selecting, transporting,



## PATC private core training

storing, and disposing of pesticides and empty containers; and protective clothing and equipment. Includes an Agricultural Chemical Poisoning table indicating the toxicity, common and trade names, action or site of poison, routes of absorption and poisoning symptoms associated with insecticides, herbicides and fungicides. Pesticide Emergency Information telephone numbers are supplied.

*NAL Call No.:* 275.29 M58B no.E-2215

### **El Uso seguro de los pesticidas.**

Zavala, Melanie.

University of California, Davis. Visual Media.

Davis, Calif. : Visual Media, [1984?]. 115 slides : col. + 1 sound cassette (15 min.) + script (21 l. ; 28 cm.).

*Place of publication:* California. *Language:* Spanish.

*Descriptors:* PATC private core training; PATC commercial core training; PATC plant agricultural pest; PATC non-certified applicator

*Abstract:* This slide/tape set is aimed at the non-certified pesticide applicator and also has information of value for the fieldworker who is exposed only indirectly to pesticides. The topics covered include modes of entry of pesticides into the body, poisoning symptoms, first aid procedures, protective clothing, common sense ways of avoiding exposure and personal hygiene. Although the slide set reflects California regulations to a certain extent, it has general information of relevance to all pesticide users.

*NAL Call No.:* Slide no.295

### **El Uso seguro de los pesticidas dentro del invernadero.**

Zavala, Melanie.

University of California, Davis. Office of Pesticide Information and Coordination.

Davis, Calif. : University of California, Davis, Visual Media, c1986. 1 videocassette (VHS) (21 min.) : sd., col. ; 1/2 in.

*Place of publication:* California. *Language:* Spanish.

*Descriptors:* PATC private core training; PATC commercial core training; PATC ornamental, turf pest control

*Abstract:* This video, intended for managers and supervisors discusses problems inherent in greenhouse pesticide use and suggests how to insure pesticide safety. It was developed under a U.S. Environmental Protection Agency grant.

*NAL Call No.:* Videocassette no.360

### **What the wary ones wear.**

University of Missouri-Columbia. Extension Division.

[Columbia, Mo.?] : University of Missouri-Columbia Extension, [1991?]. 1 videocassette (17 min., 42 sec.) : sd., col. ; 1/2 in. -- Pesticide applicator training series.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training

*Abstract:* This videotape explains how to select and wear proper personal safety clothing and equipment for mixing, loading and applying pesticides safely. Potential pesticide health and poisoning hazards and three ways pesticides enter the body through oral, dermal and inhalation exposure are explained. Cleaning and maintaining application equipment and practicing good hygiene habits are stressed.

*NAL Call No.:* Videocassette no.986

### **Work smart-- work safely-- with farm chemicals : Trabajo concientemente--trabaje con cautela-- cuando trabaje con productos químicos para la agricultura.**

National Agricultural Chemicals Association.

Washington, D.C. : National Agricultural Chemicals Association, [1985?]. 1 v. (unpaged) : ill. ; 22 cm.

*Place of publication:* District of Columbia. *Language:* English and Spanish.

*Descriptors:* PATC agricultural worker; PATC non-certified applicator; PATC private core training

*Abstract:* This booklet prepared by NACA and presented in both English and Spanish briefly outlines and illustrates the do's and don'ts for working with farm chemicals in the field. It covers safety tips for field workers and their families and ex-

## PATC private core trainng

plains how to handle exposure to pesticides.

*NAL Call No.:* S585.8.W6



## PATC private sector produced material

### PATC private sector produced material

#### **Accent on sprayer accuracy : guide to calibration and spray distribution.**

E.I. du Pont de Nemours & Company. Agricultural Products Dept.  
Wilmington, Del. : E.J. du Pont de Nemours & Co. Inc., Agricultural Products Dept, [1985?]. 16 p. : col. ill. ; 28 cm.

*Place of publication:* Delaware. *Language:* English.

*Descriptors:* PATC reference; PATC private sector produced material

*Abstract:* This E.I. du Pont booklet is an overview of the sprayer control system interactions with detailed explanations of calibration techniques. Sprayer application strategies for pesticide use with both flat fan and flood nozzles are illustrated and highlighted. Reference charts for nozzle tip selection are presented to aid the applicator in making the most advantageous choice for a specific task.

*NAL Call No.:* S694.A2

#### **Aerial application of pesticides.**

Shell Agricultural Chemical Company. Rev. 4-86.  
Houston, Tex. : Shell Agricultural Chemical Co, c1986. 39 p. : col. ill. ; 23 cm.

*Place of publication:* Texas. *Language:* English.

*Descriptors:* PATC aerial pest control; PATC private sector produced material

*Abstract:* Spray systems, calibration for ultra low volume (ULV) and conventional aerial application, nozzle selection, factors affecting application, airstrip and field operations, safety, and assessing application efficiency are covered in this applicator guide. Contains glossary.

*NAL Call No.:* SB953.A34 1986

#### **Ag chemical emergency response : a firefighter's guide.**

Monsanto Company.  
[St. Louis, Mo.?] : Monsanto, c1989. 1 videocassette (28 min.) : sd., col. ; 1/2 in. + 1 booklet (13 p.) + discussion guide + 1 set of dealer contin-

gency planning forms + 2 sets of quiz and answer sheets. -- Dealer environmental training & information library series ; 7.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* Monsanto's D.E.T.A.I.L. 7 assists agricultural chemical dealers in developing effective strategies with their local fire departments to handle emergencies. It points out important information needed by the local emergency response team, such as pesticide label information and dealer contingency plans. This kit contains a videotape, an illustrated manual, true and false and multiple choice questions and answers, dealer contingency plan forms, and a discussion guide.

*NAL Call No.:* Videocassette no.704

#### **Application technology : dedicated to the efficient, efficacious and safe application of agricultural chemicals.**

WRK Incorporated.  
Manhattan, Kan. : WRK Incorporated, 1987. 1 v. (various pagings) : ill. ; 28 cm.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC private sector produced material

*Abstract:* This training workbook, developed for agricultural pesticide applicators is composed of independent instructional units on efficient, effective and safe aerial application practices. Information appears on the lefthand page and the righthand page is designed for notes, calculations and sketches. Masters for transparencies are included. Topics covered include drop formation, drift, and coverage, equipment calibration, drift prevention, safety, and container disposal.

*NAL Call No.:* SB953.A67

#### **Applicator's manual for Degesch Phosphotoxin pellets and tablets-R.**

Degesch America, Inc.  
Weyers Cave, Va. : Degesch America, Inc, [1987?]. i, 17 p. ; 28 cm.

## PATC private sector produced material

*Place of publication:* Virginia. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC fumigation; PATC private sector produced material

*Abstract:* This Applicator's Manual for DEGESCH Phostoxin Pellets and Tablets-R, Restricted Use Pesticides and fumigants to protect stored commodities from insect damage and to control burrowing pests, includes precautionary statements; directions for use; information on protective clothing; respiratory protection requirements and devices; applicator and worker exposure; aeration of fumigated commodities; storage; disposal; and spill and leak procedures.

*NAL Call No.:* SB955.A6

### **Biopesticides : toward a cleaner environment.**

[New York, N.Y.? : M.J. Walters?], c1990. 1 videocassette (20 min.) : sd., col. ; 1/2 in.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC demonstration, research; PATC private sector produced material

*Abstract:* The first U.S. release of a genetically engineered baculovirus occurred on August, 9, 1989. The release was part of a test investigating the efficiency, feasibility, and environmental safety of using biopesticides as alternatives to the chemical pesticides currently sprayed on our food crops. Investigators Wood and Shelton outline the scope and content of the experiment, while several project-team members exhibit and explain roles such as planter, insect rearer, field inoculator, sprayer, harvester, and laboratory analyst.

*NAL Call No.:* Videocassette no.902

### **Cereal disease field guide : wheat and barley.**

Ciba-Geigy.

Greensboro, N.C. : CIBA-GEIGY, 1987? 1 v. (unpaged) : col. ill. ; 10 x 18 cm.

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC private sector produced material

*Abstract:* This field guide provides information on the symptoms, life cycle, overwintering mechanisms, and conditions which favor development of wheat and barley diseases. Color photos aid in identification of disease symptoms.

*NAL Call No.:* SB608.G6C4

### **Contingency planning : your key to crisis management.**

Monsanto Company.

[St. Louis, Mo.?] : Monsanto, c1988. 1 videocassette (ca 40 min.) : sd., col. ; 1/2 in. + 1 booklet (12 p.) + 1 set of contingency planning forms. -- Dealer environmental training & information library series ; 4.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* Monsanto's D.E.T.A.I.L. 4 focuses on Contingency Planning, developing an emergency response plan, to help prevent disasters. The workbook outlines nine steps to follow in developing or reviewing a contingency plan. This kit consists of a videocassette, a workbook, and numerous contingency planning notebook forms.

*NAL Call No.:* Videocassette no.701

### **Controlling drift : a practical guide to reduce off-target movement of pesticides.**

ICI Americas, Inc.

[Wilmington, Del.?] : ICI Americas, Inc, c1988. 7 p. : col. ill. ; 28 cm.

*Place of publication:* Delaware. *Language:* English.

*Descriptors:* PATC aerial pest control; PATC private sector produced material

*Abstract:* This guide for aerial applicators discusses management practices and environmental conditions that cause pesticide drift and outlines strategies to minimize drift. Graphics support text.

*NAL Call No.:* SB953.C66



## PATC private sector produced material

### **Diquat herbicide-H/A : application tips for desiccating potato vines at harvest.**

Ortho Books.

San Francisco, Calif. : Ortho, Chevron Chemical Company, c1987. 1 folded sheet (4 p.) ; 28 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC private sector produced material

*Abstract:* This brochure examines general, ground and aerial application techniques for herbicides (specifically Diquat) used to dessicate potato vines at harvest. Application tip lists, diagrams, and color photographs are included.

*NAL Call No.:* SB951.4.D52

### **Diseases of turfgrasses.**

CIBA-GEIGY Corporation. Agricultural Division; Professional Lawn Care Association of America. Greensboro, N.C. : Agricultural Div., CIBA-GEIGY, c1986. 63 p. : col. ill. ; 22 cm.

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC private sector produced material

*Abstract:* This manual covers North American turfgrass disease symptoms, diagnosis and control. For each disease, it lists the pathogen, grasses affected, season of occurrence, weather and management conditions favoring its development and provides a written description and color photos of its primary symptoms. Control procedures for each disease appear at end of the manual.

*NAL Call No.:* SB608.T87D5

### **Drift is everyone's concern.**

Valent U.S.A. Corporation.

Walnut Creek, Calif. : Valent U.S.A. Corporation, c1989. 1 sheet : ill. (some col.) ; 28 x 22 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC aerial pest control; PATC private sector produced material

*Abstract:* This leaflet lists and discusses ways to

reduce drift at time of aerial pesticide application. Factors to consider include sprayer nozzles, boom pressure, droplet size and wind velocity.

*NAL Call No.:* S494.5.A3D7

### **Farm chemical safety is in your hands.**

National Agricultural Chemicals Association. Rev. [Washington, D.C.] : Produced for NACA by Farmland Industries, [1989?]. 1 videocassette (12 min., 26 sec.) : sd., col. ; 1/2 in.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC animal agricultural pest; PATC plant agricultural pest; PATC demonstration, research; PATC private sector produced material

*Abstract:* This NACA videotape presents the basics for handling farm chemicals safely. It discusses toxicity and exposure using the equation "RISK = TOXICITY x EXPOSURE." The videotape demonstrates how to handle pesticides properly by following label precautions and instructions, by selecting, wearing, and caring for appropriate protective clothing and equipment, and by practicing good hygiene habits in the field and at home.

*NAL Call No.:* Videocassette no.761

### **Ground water and agricultural chemicals : understanding the issues.**

Monsanto Company.

[St. Louis, Mo.?] : Monsanto, 1989. 1 videocassette (ca. 30 min.) : sd., col. ; 1/2 in. + 1 manual + 2 copies of a checklist + 2 sets of quizzes + 2 sets of answers sheets. -- Dealer environmental training & information library series ; 1.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* D.E.T.A.I.L. 1 of a progressive dealer environmental training series developed by Monsanto focuses on understanding and preventing groundwater contamination while handling and applying agricultural chemicals. This kit consists of a contents description, videocassette, an illustrated workbook, guidelines for preventing contamination, and a multiple choice quiz with answers. This

## PATC private sector produced material

well-organized module presents valuable information for dealers and growers.

*NAL Call No.:* Videocassette no.698

### **Ground water and agricultural chemicals : understanding the issues.**

American Soybean Association; National Corn Growers Association.

[St. Louis, Mo.?] : American Soybean Association : National Corn Growers Association, c1988. 1 videocassette (17 min., 40 sec.) : sd., col. ; 1/2 in.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aerial pest control; PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* This videotape defines groundwater, identifies types of pollutants, and stresses the importance of the pesticide applicator's (the farmer's) responsibility to protect groundwater from contamination by proper application and safe use of agricultural chemicals. It demonstrates how to reduce risks of groundwater contamination by preventing back siphoning, protecting existing well heads, pressure or triple rinsing of containers, using leak free containers, securing pesticides during transport and properly mixing, loading, handling and storing pesticides away from wells and water supplies.

*NAL Call No.:* Videocassette no.924

### **How to select and safely use herbicides.** Idea Bank. (Firm).

[Santa Barbara, Calif.] : Idea Bank, c1989. 1 videocassette (15 min.) : sd., col. ; 1/2 in. + reference guide master set. 1 video. -- Training videos.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC private sector produced material

*Abstract:* This videotape for commercial applicators explains how to select and apply herbicides safely and effectively in the landscape. Pre-emergence and post-emergence herbicides, the importance of careful site inspection and evaluation, record keeping application techniques, envi-

ronmental concerns, and spill, equipment and personal clean-up are discussed. Accompanied by training materials: multiple choice and true or false review questions and answers and discussion questions.

*NAL Call No.:* Videocassette no.925

### **NOR-AM technical protocol.**

NOR-AM Chemical Company.

Wilmington, Del. : NOR-AM Chemical Co, [1987?]. 9 v. ; 28 cm.

*Place of publication:* Delaware. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC specialized pest control; PATC public health pest control; PATC private sector produced material

*Abstract:* Nine NOR-AM Chemical Company Technical Protocols suggest an eight-step pest management system for pesticide applicators who apply chemicals in: apartment and condominium complexes; hotels, resorts and theme parks; restaurants and fast food operations; hospitals and nursing homes; food processing plants; offices, schools and computer rooms; modes of transportation; houses; and animal research laboratories, zoos and pet stores. The eight steps include: 1) obtaining management cooperation, 2) inspection, 3) developing non-chemical treatment recommendations, 4) developing chemical treatment recommendations, 5) securing cooperation of occupants/staff, 6) implementation of initial treatments, 7) implementation of follow-up treatments, and 8) follow-up inspections.

*NAL Call No.:* SB950.92.N67

### **On target.**

National Arborist Association (Wantagh, N.Y.). [Bedford, N.H.] : The Association, c1987. 3 videocassettes (30 min.) : sd., col. ; 1/2 in + 1 manual.

*Place of publication:* New Hampshire. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC private sector produced material

*Abstract:* Developed by the National Arborist As-



## PATC private sector produced material

sociation for arborists, this three part video training program and supplementary calibration manual explains how to operate, calibrate, and maintain a hydraulic sprayer to achieve maximum efficiency. It demonstrates how to properly target the spray column to reduce drift and overspray and thereby ensure cost effectiveness.

*NAL Call No.:* Videocassette no.822

### **On-farm ag chemical safety.**

Monsanto Company.

[St. Louis, Mo.?] : Monsanto, c1989. 1 videocassette (25 min.) : sd., col. ; 1/2 in. + 1 booklet (8 p.) + 2 sets of Farm Family Chemical Safety Kit. -- Dealer environmental training & information library series ; 6.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC general public and homeowners; PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* Farm family chemical safety is the subject of D.E.T.A.I.L. 6 produced by Monsanto. Major topics covered include handling chemicals safely, understanding labels, wearing protective clothing, assessing pesticide inventory and storage facilities on the farm, and developing an emergency response plan. The manual and videotape outline and emphasize 17 safe chemical handling rules. The module also contains a kit of emergency and responsibility checklists and various forms.

*NAL Call No.:* Videocassette no.703

### **Pesticide registration : what it is, how it works.**

Monsanto Company.

[St. Louis, Mo.?] : Monsanto, c1989. 1 videocassette (25 min.) : sd., col. ; 1/2 in. + 1 booklet (9 p.) + 1 quiz sheet + 1 discussion guide + 1 introduction sheet. -- Dealer environmental training & information library series ; no. 5.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* Monsanto's D.E.T.A.I.L. 5 discusses the pesticide registration process and EPA evaluation

and data requirements. It covers the following mandated areas of data collection and reporting: Product Chemistry, Residue Chemistry, Toxicology, and Environmental Fate. This module consists of a videotape and an accompanying printed introduction, an illustrated manual, a question and answer discussion guide and a true and false and multiple choice quiz and answers.

*NAL Call No.:* Videocassette no.702

### **Pole framing, piling applications and railroad tie repair.**

American Wood Preservers Institute.

[Vienna, Va.] : The Institute, [1986?]. 1 videocassette (13 min.) : sd., col. ; 1/2 in. + training manual.

*Place of publication:* Virginia. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC private sector produced material

*Abstract:* This EPA approved audiovisual training program discusses EPA requirements for creosote use by applicators for pole framing, piling applications, and railroad tie repair. Major topics covered include: the three avenues of exposure; protective gear; handling overexposure, fire, spills and medical emergencies; and proper disposal procedures.

*NAL Call No.:* Videocassette no.762

### **Pre-fire plan for handling agricultural chemical fires.**

Chevron Chemical Company.

San Francisco, Calif. : Chevron Chemical Company, [1985?]. 20 p. : ill. ; 28 cm. + 2 folded sheets.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* Designed to aid the agri-chemical dealer in developing a pre-fire plan for handling agricultural chemical fires, this step-by-step guide includes fire fighting and post-fire clean-up instructions, first aid information, pages for drawing maps of the facility and immediate surroundings and site drainage, and pages for record-

## PATC private sector produced material

ing emergency and agency notification telephone numbers, location of emergency equipment and supplies and water supplies. Includes completed example forms.

*NAL Call No.:* TH9445.C47P7

### **Professional standards for aerial application of pesticides in California.**

Taylor, John E.

California Agricultural Aircraft Association;  
Human Resources Research Organization.

Sacramento, Calif. : CAAA, 1984. 2 v. (80; vi, 369 p.) : ill. ; 23 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC aerial pest control; PATC private sector produced material

*Abstract:* This California Agricultural Aircraft Association manual establishes and promotes 39 performance standards and good practices to enhance job performance of aerial pesticide applicators. They cover planning, conducting and cleaning up operations; mixing/loading equipment; transporting, storing, and handling pesticides; preventing and managing spills; training applicators; posting fields; and disposing of hazardous wastes. This manual contains a Preferred Reading List and a glossary and it is accompanied by a technical appendix.

*NAL Call No.:* SB953.P73

### **Safe chemical handling and environmental protection.**

Monsanto Company.

[St. Louis, Mo.?] : Monsanto, 1989. 1 videocassette (ca. 30 min.) : sd., col. ; 1/2 in. + 1 manual + 1 quiz + 1 set of answer and discussion sheets. -- Dealer environmental training & information library series ; 3.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* Monsanto's D.E.T.A.I.L. 3 covers safe and proper handling of agricultural chemicals. The workbook discusses pesticide regulations and labels, material safety data sheets (MSDS), reduc-

ing exposure and protecting the environment. This kit consists of a videotape, an illustrated workbook, and multiple choice quiz questions and answers.

*NAL Call No.:* Videocassette no.700

### **Safe practices in the use and handling of Fumitoxin.**

Pestcon Systems, Inc.

[Des Moines, Iowa] : Pestcon Systems, Inc, [1988?]. 1 v. (unpaged) : ill. ; 28 cm.

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC fumigation; PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* This ready reference manual produced by PESTCON SYSTEMS INC. compiles FUMITOXIN fumigant labels and its Material Safety Data Sheet in individual clear plastic covers. It emphasizes safe handling and application practices in the use of this restricted pesticide for stored, processed, manufactured product pest control.

*NAL Call No.:* SB952.5.S32

### **Safe use of pesticides in interiorscapes : a video training program.**

Associated Landscape Contractors of America. Interior Plantscape Division.

Falls Church, Va. : ALCA, c1990. 1 videocassette (22 min., 39 sec.) : sd., col. ; 1/2 in. + 1 instructor's manual + 1 pesticide exam and answer sheet + 2 data sheets + 1 Hazard Communication Standards manual.

*Place of publication:* Virginia. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC private sector produced material

*Abstract:* Developed by the Interior Plantscape Division of ALCA, this video training program informs interiorscape technicians how to safely and properly apply pesticides. It explains when to apply and how to select, mix, and use pesticides, what protective clothing to wear and safety precautions to follow, and how to handle spills. Accompanying



## PATC private sector produced material

materials consist of an instructor's manual containing a glossary, a multiple choice true and false exam with answers, a sample label and MSDS, and federal right-to-know law information.

*NAL Call No.:* Videocassette no.821

### **Scotts guide to the identification of dicot turf weeds.**

O.M. Scott & Sons.  
Marysville, Ohio : O.M. Scott & Sons, c1985. [16], 100 p. : ill. ; 9 x 17 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC private sector produced material

*Abstract:* Scotts' simplified guide to the identification of dicot turf weeds for turf managers includes an alphabetical index, table of contents, and lists of rosette and vining type weeds found most abundantly in nearly all states and southern Canada, cool season areas and southern Canada, and Eastern states and Canada, the Western states and Canada, and the Southern states. Illustrations, common and scientific names accompany nontechnical descriptions of 100 weeds.

*NAL Call No.:* SB608.T87S3

### **Scotts guide to the identification of grasses.**

O.M. Scott & Sons.  
Marysville, Ohio : O.M. Scott & Sons, c1985. [20], 60 p. : ill. ; 9 x 16 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC private sector produced material

*Abstract:* Prepared to aid in the identification of the more common grasses, this guide includes: drawings of grass plant parts, seedheads and spikelets; descriptions of major identifying features; a table of contents; and keys to folded and rolled in the bud grasses found in nearly all states, cool season and warm season areas of the U.S., Eastern and Western states. Illustrations, common and scientific names accompany nontechnical descriptions of 60 grasses.

*NAL Call No.:* QK495.G74S36

### **Site assessment : where do I stand?**

Monsanto Company.  
[St. Louis, Mo.?] : Monsanto, 1989. 1 videocassette (ca. 30 min.) : sd., col. ; 1/2 in. 1 manual + 1 checklist. -- Dealer environmental training & information library series ; 2.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* This farsighted Monsanto module D.E.T.A.I.L. 2 assists agricultural chemical dealers in assessing their facility's site compliance with current and anticipated regulatory requirements. This module also offers guidelines for planning changes to meet regulations and improve efficiency or for planning new facilities. A videotape, a manual and a site assessment checklist comprise this kit.

*NAL Call No.:* Videocassette no.699

### **Termite control : practices & procedures.**

Velsicol Chemical Corp; Plaid Communications (Firm).

[Illinois?] : Velsicol Chemical Corporation, 1987. 1 videocassette (39 min., 57 sec.) : sd., col. ; 1/2 in.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC institutional, structural pest control; PATC private sector produced material

*Abstract:* This training videocassette for termite control pesticide applicators examines safe procedures and practices for applying termiticides. It explains recommended application rates and methods. A comprehensive picture of the termite controller's responsibilities is provided. These responsibilities entail understanding labels, wearing protective clothing, handling pesticides properly, preventing water contamination, and complying with regulations. Methods for treating concrete slab structures and buildings with crawl space for termites and pre-construction termite control are discussed. [Note: chlordane is no longer available for use].

*NAL Call No.:* Videocassette no.910

## PATC private sector produced material

### **Termites : conditions conducive to infestation.**

Granovsky. Theodore Alexander, 1945-.

Granovsky Associates, Inc.

[Bryan, Tex.] : Granovsky Associates, 1988. 1 videocassette (51 min.) : sd., col. ; 1/2 in. + 1 workbook (32 p.) + 2 books + 1 folded sheet.

*Place of publication:* Texas. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC institutional, structural pest control; PATC private sector produced material

*Abstract:* Designed for pest control technicians, this videotape, accompanying workbook, and publications, discuss various conditions conducive to termite infestations. The training program covers problem areas of different construction styles and demonstrates ways termites enter structures and how to inspect for their presence. It reviews equipment used to conduct an inspection. The workbook contains a glossary, line drawings of construction types, and section sentence completion and true and false quizzes with answers.

*NAL Call No.:* Videocassette no.914

### **Whip rice aerial application handbook.**

Hoechst-Roussel Agri-Vet Company.

Somerville, N.J. : Hoechst-Roussel Agri-Vet Company, [1988?]. 1 v. (various pagings) : ill., col. maps ; 30 cm.

*Place of publication:* New Jersey. *Language:* English.

*Descriptors:* PATC private sector produced material; PATC plant agricultural pest; PATC aerial pest control; PATC pesticide dealers and distributors

*Abstract:* This manual for aerial applicators of pesticides presents a technical overview of rice production and proper application techniques for Whip IEC Herbicide. It includes sections on rice insect pest and weed identification and control; nozzles and strainers; and spray drop formation, drift and coverage. A weed seedling identification booklet, rice herbicide labels, and section review questions are provided.

*NAL Call No.:* SB951.4.W43

### **Working safely with penta.**

Vulcan Chemicals.

[S.l.] : Vulcan Chemicals, [198-?]. 18 p. : ill. ; 22 cm.

*Place of publication:* Unknown. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC private sector produced material

*Abstract:* Vulcan Chemicals produced this booklet for pesticide applicators who use Penta (Pentachlorophenol) as a wood preservative. Safety tips and precautions are illustrated and discussed.

*NAL Call No.:* SB952.C44W6



## PATC public health pest control

### **Bird management manual.**

Pinto, Lawrence J.; Rambo, George W.  
National Pest Control Association. Vertebrate Control Committee.

Dunn Loring, Va. : NPCA, c1982. iv, [158] p. (looseleaf) : ill. (some col.) ; 30 cm.

*Place of publication:* Virginia. *Language:* English.

*Descriptors:* PATC public health pest control; PATC vertebrate pest

*Abstract:* This manual, especially compiled for pest control operators (PCOs), is a resource for biological and behavioral information on the major bird pests as well as the economic impact and health hazards associated with bird pests. The legal responsibilities incurred when managing bird pests and the tools and methods used in bird management control, including habitat modification, exclusion, repellents, surveys, trapping and chemical control are described. The manual includes a section about bird management as a business and sample management programs. U.S. Fish and Wildlife Service District Offices, state natural resource agencies, bird control product labels and additional sources of information are listed in appendices.

*NAL Call No.:* SB995.N37

### **Commercial applicator certification : category 7E mosquitoes and biting flies, category 8 public health.**

Alm, Steven R.; Siligato, Peggy.

Kingston, R.I. : University of Rhode Island, Cooperative Extension, College of Resource Development, [1991]. 1 v. (various pagings) : ill. ; 28 cm.

*Place of publication:* Rhode Island. *Language:* English.

*Descriptors:* PATC public health pest control

*Abstract:* This study packet helps prepare commercial applicators for certification in mosquito, biting fly and public health pest control in Rhode Island. It contains lists of: suggested references; commonly used pesticides, common mosquitoes, biting fly and public health pests and their non-chemical and

chemical controls, and equipment which these applicators should be familiar with; subject areas they should be proficient in; and continuing education resources. Includes "Considerations in Municipal Mosquito Control Planning" prepared for the Rhode Island Mosquito Abatement Board, state regulations covering furbearing animals, bird control guidelines and lyme disease information sheets.

*NAL Call No.:* RA640.C63

### **General pest control : industrial, institutional, structural, and health related.**

Pinkston, Ken; Nesheim, O. Norman.

Oklahoma State University. Cooperative Extension Service. Rev. 1984 ed.

[Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, 1984. ii, 62 p. : ill. ; 28 cm. -- Circular (Oklahoma State University. Cooperative Extension Service) ; E-836.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* This training manual for commercial pesticide applicator certification preparation covers industrial, institutional, structural and public health pests and their control; equipment and application methods; pesticide label information; respirator care and use; and safety procedures. It contains drawings and pictorial keys to aid in pest identification and additional references.

*NAL Call No.:* 275.29 Ok41C no.836 1984

### **Industrial, institutional, structural, & health-related pest control.**

Morgan, Edna Ruth.

University of Mississippi. Cooperative Extension Service.

[Mississippi State, Miss.] : Mississippi Cooperative Extension Service, Mississippi State University, [1985]. 109 p. in various pagings : ill. ; 28 cm.

*Place of publication:* Mississippi. *Language:* English.

*Descriptors:* PATC commercial core training;

## PATC public health pest control

PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* For use by commercial applicators preparing for certification in industrial, institutional, structural and health-related pest control, this manual emphasizes recognition and accurate diagnosis of pest problems. It covers the identification, biology and control of household pests and wood destroying organisms; pesticide toxicity; protective equipment and safety; general guidelines for disaster planning in the event of pesticide spills or contamination; and personnel, equipment and environmental decontamination. Includes study questions and answers and information on Mississippi's pesticide licenses, permits and certificates.

NAL Call No.: SB950.2.M7I6 1985

### **Industrial, institutional, structural, and health-related pest control : (supplemental manual for categories 7A and 7B certification).**

Kissam, J. B.

Clemson University. Cooperative Extension Service.

Clemson, S.C. : Clemson University, Cooperative Extension Service, [1980?]. 135 p. : ill. (some col.) ; 28 cm. -- Pesticide training series ; no. 7.

*Place of publication:* South Carolina. *Language:* English.

*Descriptors:* PATC commercial core training; PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* This study guide for certification examinations in the industrial, institutional, structural and health-related pest control categories provides information on techniques and strategies used to control common insect pests, other arthropods, birds, and vertebrates, based on their identification, life cycle and behavior. Pest control in food-processing facilities, commodity and structural fumigation, safety, environmental considerations and pesticide arithmetic are major topics covered. Contains color and black and white pictorial pest keys. Appendices include sample prefumigation and fumigation checklists and worksheets, canister selection information, physical properties of

fumigants chart, fumigation apparatus diagram, and list of materials for tarpaulin fumigation.

NAL Call No.: SB950.2.S6K57

### **Industrial, institutional, structural and health-related pest control.**

Rev. May, 1982.

Athens, Ga. : Cooperative Extension Service, University of Georgia, College of Agriculture, [1982].

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control; PATC fumigation

*Abstract:* This manual is for those pesticide applicators applying for certification in the state of Georgia as an Industrial, Institutional, Structural and Health Related Pest Control Applicator. This guide supplements the core manual, highlighting preventive sanitation, pest control and pesticides, safe use of pesticides and recognition, treatment and control of common pests. Pests are illustrated and described; management strategies are suggested.

NAL Call No.: SB950.A1S62 no.17

### **Industrial, institutional, structural, and public health pest training manual.**

Montana. Dept. of Agriculture.

Helena, Mont. : Montana Department of Agriculture, 1981. i, 45 p. : ill. ; 28 cm.

*Place of publication:* Montana. *Language:* English.

*Descriptors:* PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* This manual serves as a study guide for certification examinations in Public Health Pest Control, Food Manufacturing and Processing, Industrial, Institutional, Structural and Health Related, and Regulatory Mosquito Abatement. It includes descriptions of pests and information on methods and pesticides used to control them.

NAL Call No.: SB950.2.M9I5



## PATC public health pest control

### **Institutional, industrial, structural, health-related pest control.**

Grodner, Mary L.; Bagent, Jack L.

Louisiana Cooperative Extension Service.

[Baton Rouge, La.] : Louisiana Cooperative Extension Service, Louisiana State University Agricultural Center, [1985?]. 66 p. : ill. ; 28 cm.

*Place of publication:* Louisiana. *Language:* English.

*Descriptors:* PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* This Louisiana state publication is a training manual for pesticide applicators who seek certification in industrial, institutional, structural and health-related pest control. Regulatory requirements, sanitation and fumigation are discussed. Labels and labeling warnings and information are explained. Protective clothing advice and environmental safety tips are included. A detailed chart cross-references the effects of pesticide chemicals on the human body. Insect pests are described and illustrated.

*NAL Call No.:* SB951.G77

### **[Miscellaneous study materials for commercial applicators].**

Ohio. Dept. of Agriculture Laboratories.

[Columbus, Ohio : The Department, 1959-]. v. : ill. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC forest pest control; PATC public health pest control; PATC fumigation; PATC seed treatment; PATC demonstration, research

*Abstract:* These commercial applicator study materials include: general core information on Ohio pesticide regulations, Poison Control Centers, pesticide safety and toxicity, and groundwater protection; and information pertaining to the control of plant agricultural, forest, ornamental, turf, verte-

brate (bird), structural (termite), public health (mosquito) and stored grain pests; fumigation; seed treatment; and demonstration and research.

*NAL Call No.:* SB952.863.O3M5

### **Mosquito and black fly category manual F-II.**

Tillotson, Sarah.

University of New Hampshire. Cooperative Extension Service.

[Durham, N.H.] : Cooperative Extension Service, University of New Hampshire, [1980?]. 36, 41 p. : ill. ; 28 cm.

*Place of publication:* New Hampshire. *Language:* English.

*Descriptors:* PATC commercial core training; PATC aquatic pest control; PATC public health pest control

*Abstract:* This training manual discusses the biology and control of mosquitoes and black flies. It contains a key to New Hampshire mosquitoes, a glossary, calculation and conversion tables and descriptions of application equipment.

*NAL Call No.:* SB950.2.N4T5

### **Mosquito control.**

Lyon, William F. 1937-.

Rev.

[Columbus, Ohio] : Ohio Cooperative Extension Service, Ohio State University, 1989. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 641.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC public health pest control

*Abstract:* The characteristics and biology of troublesome mosquitoes in and imported into Ohio and control of mosquitoes including mosquito control programs, surveillance, breeding site reduction, larval, adult indoor and livestock control are discussed in this bulletin. Insecticide recommendations, LD50 values, metric conversion table, Ohio and surrounding State Poison Control Centers numbers are provided.

*NAL Call No.:* 275.29 Oh32 no.641 1989

## PATC public health pest control

### **Mosquito control.**

[Minnesota : s.n, 1981?]. [19] p. : ill. ; 28 cm.

*Place of publication:* Minnesota. *Language:* English.

*Descriptors:* PATC public health pest control

*Abstract:* This Minnesota publication is a reference guide for commercial pesticide applicators who address mosquito control problems. Mosquito survey methods, non-chemical and chemical treatment strategies and suggested chemical application techniques are covered. A list of mosquito control equipment suppliers and articles pertaining to mosquito larviciding and adulticiding are included.

*NAL Call No.:* RA640.M6

### **Mosquito control : a manual for commercial pesticide applicators.**

Landis, Joy Neumann; Olsen, Larry G.; Knepper, Randall.

Michigan State University. Cooperative Extension Service.

East Lansing, Mich. : Cooperative Extension Service, Michigan State University, [1989]. 60 p. : ill., map ; 28 cm. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; E-2180.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC public health pest control

*Abstract:* This manual for commercial pesticide applicators is intended to identify the life cycles of the mosquito, its potential for harm and recommend population control treatments for those preparing for the pesticide applicator certification examinations administered by the Michigan Department of Agriculture. Other chapters review mosquito management by homeowners.

*NAL Call No.:* 275.29 M58B no.2180

### **Mosquito control training manual.**

Montana. Dept. of Health and Environmental Sciences.

Helena, Mont. : Montana Dept. of Health & Environmental Sciences, Food & Consumer Safety Bureau, 1981. 44 p. : ill. ; 28 cm.

*Place of publication:* Montana. *Language:* English.

*Descriptors:* PATC public health pest control

*Abstract:* The life cycle and habits of mosquito species, surveys, physical, biological and chemical control methods, insecticides, ground application equipment, calibration, application rates, formulation, and dosage rate computations are discussed in this training manual on mosquito control. Appendix lists conversions.

*NAL Call No.:* SB950.2.M9M6

### **Mosquito control training manual : public health pest control.**

Stojanovich, C. J.

Louisiana Mosquito Control Association.

[Baton Rouge, La.] : Louisiana Mosquito Control Association, [1982?]. ix, 152 p. : ill. ; 28 cm.

*Place of publication:* Louisiana. *Language:* English.

*Descriptors:* PATC public health pest control

*Abstract:* This Louisiana state manual for commercial pesticide applicators is a source of information for those desiring certification in public health pest control. Mosquito biology, identification factors, sampling techniques, disease cycles and bionomics are covered. Mosquito control techniques are discussed. Includes an illustrated key to common mosquitoes of the southeastern United States.

*NAL Call No.:* RA640.M67 1982

### **Mosquitoes in Illinois : recommendations for prevention & control.**

Illinois. Dept. of Public Health.

[Springfield, Ill.?] : Illinois Department of Public Health, 1988. 28 p. ; 28 cm.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC public health pest control

*Abstract:* This manual provides recommendations for prevention and biological and chemical control of mosquitoes. It includes information on insecticides and the mosquito's life cycle and its public health importance as a disease carrier or vector. Present and past mosquito problems in Illinois are



## PATC public health pest control

discussed.

*NAL Call No.:* RA640.I45

### **NOR-AM technical protocol.**

NOR-AM Chemical Company.

Wilmington, Del. : NOR-AM Chemical Co, [1987?]. 9 v. ; 28 cm.

*Place of publication:* Delaware. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC specialized pest control; PATC public health pest control; PATC private sector produced material

*Abstract:* Nine NOR-AM Chemical Company Technical Protocols suggest an eight-step pest management system for pesticide applicators who apply chemicals in: apartment and condominium complexes; hotels, resorts and theme parks; restaurants and fast food operations; hospitals and nursing homes; food processing plants; offices, schools and computer rooms; modes of transportation; houses; and animal research laboratories, zoos and pet stores. The eight steps include: 1) obtaining management cooperation, 2) inspection, 3) developing non-chemical treatment recommendations, 4) developing chemical treatment recommendations, 5) securing cooperation of occupants/staff, 6) implementation of initial treatments, 7) implementation of follow-up treatments, and 8) follow-up inspections.

*NAL Call No.:* SB950.92.N67

### **Ohio insect information.**

Ohio State University. Cooperative Extension Service.

Columbus, Ohio : Cooperative Extension Service, Ohio State University, [198?-]. v. : ill. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC public health pest control; PATC general public and homeowners

*Abstract:* These publications provide information on the identification, life cycle, habits, non-

chemical and chemical control of insect pests including ornamental and turfgrass, wood destroying, stored grain, and public health pests and moles (insectivores). For homeowners and study material for Ohio commercial applicators.

*NAL Call No.:* SB934.5.O3O47

### **Pest management education program for public housing authority management personnel and residents.**

Gladin, Jodie.

[Stillwater, Okla.?] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, [1987?].

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* This publication is designed as a report on a pest management program for residents and management personnel of the Oklahoma City Housing Authority to increase the effective use of pest control procedures. It can assist homeowners, extension agents, management personnel and residents of multiple unit housing complexes as well as professional, certified pest control operators in the application of the proper urban pest management principles that can be derived from this study.

*NAL Call No.:* 275.29 Ok41C no.864

### **Pesticide application and safety training study guide : public health study.**

Colorado. Division of Plant Industry.

Denver, Colo. : The Division, [1985?]. 9 p. : ill. ; 28 cm.

*Place of publication:* Colorado. *Language:* English.

*Descriptors:* PATC public health pest control

*Abstract:* This Colorado study guide/manual contains the educational information needed by the commercial pesticide applicator to pass the written state licensing examination in the public health pest control category, which includes mosquitoes, flies, ticks, fleas, rodents and other mammal pests. Lar-

## PATC public health pest control

vicides and their application are emphasized. Safety, first aid treatments and environmental concerns are addressed. Colorado State Extension Service Offices' addresses and telephone numbers and the Rocky Mountain Poison Control Center toll free telephone number are listed.

*NAL Call No.:* RA639.3.P46

### **Pesticide applicator training : [category 7].**

Purdue University.

[West Lafayette, Ind.] : Purdue University, [1988-]. v. : ill. (some col.), maps ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC right-of-way pest control; PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control; PATC fumigation

*Abstract:* Five manuals cover the six divisions of Pesticide Applicator Training Category 7. Four manuals prepare commercial pesticide applicators for certification. One manual (7bRT) prepares wood destroying organism technicians for registration. This broad category encompasses the identification and control of industrial, institutional, and health related pests, wood destroying pests, stored food, and common household pests. Pesticide selection, labels, safety, protective equipment, application, calibration, fumigation, toxicity and environmental protection are discussed.

*NAL Call No.:* SB951.P4629

### **Pesticide applicator training : [public health pest control].**

Purdue University.

[West Lafayette, Ind.] : Purdue University, [1988?]. 1 v. (various pagings) : ill. (some col.) ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC industrial pest control; PATC public health pest control

*Abstract:* Intended for commercial pesticide ap-

plicator training, this manual provides information on the major public health pests and nonchemical and chemical methods to control them. It studies the life cycles and habitats of these pest insects, mites, ticks, spiders, and vertebrates and how they transmit diseases. Equipment calibration, and environmental concerns, specifically controlling pesticide drift and minimizing harmful effects of pest control on the environment are covered.

*NAL Call No.:* SB951.P463

### **Public health.**

Brown, Steven L.

Alabama Cooperative Extension Service.

[Auburn, Ala.] : Alabama Cooperative Extension Service, Auburn University, [1985?]. 67 p. : ill. ; 28 cm. -- Circular ANR ; 430.

*Place of publication:* Alabama. *Language:* English.

*Descriptors:* PATC commercial core training; PATC public health pest control

*Abstract:* The purpose of this manual is to prepare persons for the Alabama commercial pesticide certification examination in the Public Health Pest Control category. Arthropod pests of public health importance; life cycles of insects and arachnids; principal diseases of man caused by pathogens (disease causing agents) transmitted by cockroaches, lice, mosquitoes, black flies, deer flies, fleas, chigger mites and ticks; vector-borne disease control methods; and the types of pesticide application equipment used in public health pest control, and how to calibrate and maintain them are discussed in this manual. Basic information on pests; pest control, pesticides, and record keeping; understanding labels and pesticide laws and regulations; safe handling, use, storage and disposal of pesticides, protective clothing and equipment; pesticide poisoning recognition and first aid procedures; and practices for minimizing environmental hazards is presented.

*NAL Call No.:* S544.3.A2C47 no.430

### **Public health : pesticide applicator manual.**

Nesheim, O. Norman; Rachels, J. Leroy; Criswell, Jim T.

Oklahoma State University. Cooperative Extension Service.



## PATC public health pest control

[Stillwater, Okla.] : The Service, [1980?]. i, 79 p. : ill. ; 28 cm.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC public health pest control

*Abstract:* This manual covers topics such as biology of certain pests, integrated pest management (IPM), and equipment descriptions and specifications.

*NAL Call No.:* SB950.2.O5P7

### Public health pest control.

Ogg, Neil.

Clemson University. Cooperative Extension Service.

Clemson, S.C. : Clemson University, Cooperative Extension Service, 1987. ii, 31 p. : ill. ; 28 cm. -- Pesticide training series ; 8.

*Place of publication:* South Carolina. *Language:* English.

*Descriptors:* PATC public health pest control

*Abstract:* This certification training manual provides information on the life cycle and habits of public health pests including mosquitoes, flies, bedbugs, fleas, lice, cockroaches, venomous arthropods, ticks and chiggers, and rodents, their importance and non-chemical and chemical methods used to control them.

*NAL Call No.:* SB950.2.S6P7 1987

### Public health pest control.

Jones, Flernoy.

University of Missouri--Columbia. University Extension. [Rev.]

Columbia, Mo. : University Extension, University of Missouri, [1989]. 1 v. (various pagings) : ill. (some col.) ; 28 cm. -- Manual (University of Missouri--Columbia. University Extension) ; 98.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC institutional, structural pest control; PATC public health pest control

*Abstract:* This manual, intended to prepare an applicant for the public health pest control commercial applicators licensing examination in the state

of Missouri, examines methods of treatment and control of vertebrate pests, including, bats, birds, rodents, fish and other animals; and, insect pests such as mosquitoes, flies, bed bugs, lice, cockroaches, ticks, chiggers and mites. Color photographs of insects aid in identification.

*NAL Call No.:* SB950.2.M8P8 1989

### Public health pest control : category 8 : a guide for commercial pesticide applicators.

Holscher, Ken; Wintersteen, Wendy; Lewis, Donald.

Rev. February 1990.

Ames, Iowa : Iowa State University, Extension, 1990. 29 p. ; 28 cm.

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC public health pest control

*Abstract:* Designed to be used with the Iowa State Core Manual, this commercial applicator certification training manual on public health pest control contains control management strategies for each specific occurrence of: cockroaches, lice, fleas, bed bugs, bat bugs, bees, hornets, wasps, yellow jackets, ticks, mites, spiders, rodents, bats, and birds. A self-study worksheet is included.

*NAL Call No.:* SB950.2.I8P8 1990

### Stinging & biting pests of people.

Evans, Burton R.

Rev. Aug., 1987.

Athens, Ga. : Cooperative Extension Service, University of Georgia College of Agriculture, [1987].

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC public health pest control; PATC general public and homeowners

*Abstract:* Descriptions and recommendations for control of stinging (bees, wasps, hornets, fire ants and scorpions), contact (caterpillars with poisonous spines) and biting (mosquitoes, flies, fleas, ticks, chiggers and spiders) insects are covered in this Georgia publication. Pesticide precautions are noted.

*NAL Call No.:* 275.29 G29C no.782

## PATC public health pest control

### **Structural pest management.**

Cink, James H.; Harein, Phillip K.  
St. Paul, Minn. : Dept. of Entomology, Minnesota  
Extension Service, University of Minnesota, [1989].  
1 v. (various pagings) : ill. ; 28 cm. + 4 sheets.

*Place of publication:* Minnesota. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* Developed as a guide for training Structural Pest Control Operators (PCOs), this manual is designed to assist PCOs in solving pest problems and preparing for state certification. Insects and related arthropods and their control; rodents and their control; pest bird management; other pest animals; and weeds are covered. Pesticides, formulations, laws and regulations including the Minnesota Pesticide Control Law of 1976, labels, toxicity, human and environmental protection, application equipment, calibration, fumigants, and fumigation are discussed. Contains a glossary, multiple choice study questions and answers, and pictorial keys.

*NAL Call No.:* SB950.2.M6S77

### **Van Waters & Rogers Pest control library.**

Ehmann, Norman; Cherubini, Paul.  
San Mateo, Calif. : Van Waters & Rogers, [197?-].  
v. : ill. ; 28 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC wood destroying organisms; PATC regulatory pest control; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* Designed for pest control business owners, managers, and service technicians, these reference manuals provide information on the biology and control of common structural pests. Volume I Structural Pest Control Act and Volume XI Pesticides and Pesticide Safety contain valuable information for all pest controllers. True and false

and/or multiple choice quizzes with answers reinforce material covered in each manual. A few manuals have glossaries.

*NAL Call No.:* SB950.V3

### **Venomous arthropods affecting forestry workers in Georgia.**

Price, Terry S.  
[Macon, Ga.?] : Georgia Forestry Commission, [1986?]. 34 p. : ill. (some col.) ; 22 cm.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC public health pest control; PATC general public and homeowners

*Abstract:* This publication informs forestry workers and the general public how to prevent and treat arthropod (insect and arachnid) bites and stings. Color pictures of these pests and the injuries they cause, a table of treatments and of generalized symptoms of systemic reactions are provided.

*NAL Call No.:* RA641.A7P7



## PATC recertification

### PATC recertification

#### **Disposal of pesticide wastes and containers.**

Dewey, J. E.

Rev. 2/84.

Ithaca, N.Y. : New York State College of Agriculture and Life Sciences, [1984].

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC private core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC recertification

*Abstract:* Cornell Fact Sheet 4-132 is included in the three part recertification packet given to pesticide applicators as part of their training program by New York state. The fact sheet updates and supplements the manual and workbook, discussing the proper and safe disposal of pesticide wastes and containers. The New York State regulations for disposal are covered. New York State conservation regional offices and phone numbers, as well as solid waste engineers are included.

*NAL Call No.:* SB951.A1C67 no.4-132

#### **Ohio pesticide applicator conferences, 1989 : for continuing certification : selected summaries.**

Ohio State University. Cooperative Extension Service; Ohio. Dept. of Agriculture.

[Columbus, Ohio?] : Ohio State University, Cooperative Extension Service : Ohio Department of Agriculture, [1989]. 1 v. (unpaged) : ill. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC recertification

*Abstract:* This collection of summaries from the 1989 Ohio Pesticide Conference for Continuing Certification enables applicants to update and augment their core and subject specific manuals. The current information supersedes the information found in the instruction manuals. Includes information pertinent to agricultural animal and plant, aquatic, ornamental and turf, stored, processed, manufactured product, industrial, institutional, structural, forest, and public health pest control.

*NAL Call No.:* SB952.863.O3O3

#### **Pesticide applicator recertification workbook : agricultural--plant ornamentals and turf.**

Pendleton, R. F.; Dewey, Jerald E.; Smith, W. G. Ithaca, N.Y. : Cooperative Extension, Chemicals-Pesticides Program, New York State College of Agriculture and Life Sciences at Cornell University, [1984]. iv, 127 p. : ill. ; 28 cm.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC recertification

*Abstract:* This self-study workbook is one of the three parts of the pesticide applicator training program for commercial pesticide applicators seeking recertification in the Agricultural-Plant and/or Ornamentals and Turf category in New York State. The workbook is distributed with the Pesticide Compendia and Cornell Fact Sheet 4-132, Disposal of Pesticide Wastes and Containers. It is intended to inform the applicant of current technical and safety developments and environmental concerns and to continue to enlarge upon the information in the core and category manuals. This workbook highlights the problems of drift, groundwater contamination and honeybee protection. Calibration and spraying techniques, the affects of alkalinity on pesticides, and protective clothing are topics that are discussed. A section on greenhouse pest control completes the workbook.

*NAL Call No.:* SB965.P43

#### **Pesticide applicator recertification workbook : private applicators.**

Dewey, Jerald E.; Pendleton, R. F.

Ithaca, N.Y. : Cooperative Extension, Chemicals-Pesticides Program, New York State College of Agriculture and Life Sciences at Cornell University, [1983]. ix, 319 p. : ill. ; 28 cm.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC private core training; PATC recertification

*Abstract:* This self-study workbook is one part of the three part Private Pesticide Applicator Recertification packet in New York State, distributed

## PATC recertification

with the Pesticide Compendia and Cornell Fact Sheet 4-132. It updates and supplements information in the core manual and highlights the latest pesticide technology and equipment. Agricultural pests are identified and treatment strategies are recommended.

*NAL Call No.:* SB965.P45

### **Pesticide compendia : fungicides, herbicides, insecticides, rodenticides.**

Dewey, Jerald E.; Pendleton, R. F.; Smith, W. G. Ithaca, N.Y. : Cooperative Extension, Chemicals-Pesticides Program, New York State College of Agriculture and Life Sciences at Cornell University, [1984]. 127 p. ; 28 cm.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC private core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC recertification

*Abstract:* This compendia contains useful information relating to pesticides recommended in New York state. It is included in New York state's three part recertification packets for private pesticide applicators and for commercial pesticide applicators certified in Agricultural-Plant and/or Ornamentals and Turf. The purpose of the compendia is to place in one reference book the producers, formulations, restrictions, toxicity, residual, environmental and compatibility hazards of fungicides, herbicides, insecticides and rodenticides including chemical repellents available in New York state. There is an additional guide to pesticide manufacturers that includes emergency phone numbers as well as a chart of exposure and poisoning symptoms cross referenced with the chemical family and type of pesticide.

*NAL Call No.:* SB950.2.N7P476

### **Private pesticide applicator manual : recertification.**

Rosenbaum, Robin R.; Olsen, Larry G.; Creagh, Keith E. Michigan State University. Cooperative Extension Service.

East Lansing, Mich. : Michigan State University, Cooperative Extension Service, [1989]. 34 p. ; 28 cm. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; E-2156.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC private core training; PATC recertification

*Abstract:* This manual is designed to be a review of pests and pesticide uses, hazards, storage, disposal and applications for the private applicator applying for recertification. General environmental concerns are discussed as are safety precautions. There are self study questions at the end of each chapter and emergency phone numbers of poison control centers.

*NAL Call No.:* 275.29 M58B no.2156

### **Private pesticide applicator recertification manual.**

Wilson, John H 1933-

North Carolina Agricultural Extension Service. [Raleigh, N.C.] : N.C. Agricultural Extension Service, [1987?]. 44 p. : ill. ; 28 cm.

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC recertification; PATC private core training

*Abstract:* This manual is used in North Carolina's private pesticide applicator recertification training programs. It covers updated pesticide laws and regulations, proper handling and application techniques, health and safety concerns, and environmental protection measures. Multiple choice review questions and answers are provided.

*NAL Call No.:* SB965.W5

### **Private pesticide applicator recertification manual : pesticide training manual [1990].**

Wilson, John H 1933-; Yoder, Karen; Baniecki, John F. 1938-

West Virginia. Dept. of Agriculture; West Virginia University. Cooperative Extension Service. Rev. [Charleston, W. Va. : West Virginia Dept. of Agriculture ; West Virginia University, Cooperative Extension Service], 1990.

Morgantown, W. Va. 43 p. : ill. ; 28 cm.

*Place of publication:* West Virginia. *Language:*



## PATC recertification

English.

*Descriptors:* PATC private core training; PATC recertification

*Abstract:* This 1990 manual for private pesticide applicator recertification training in West Virginia includes information about: (1) recent changes in the pesticide laws and regulations, (2) health-related pesticide safety measures, (3) environmental issues, and (4) common problems in using pesticides properly. Special attention is given to toxicity and safety precautions, proper disposal of pesticide waste and containers, and the protection of bees. Emergency phone numbers for fire, spillage, transportation, natural disaster and poisoning are listed as well as pesticide producers' emergency phone numbers and West Virginia State Agency contact personnel phone numbers.

*NAL Call No.:* SB965.W52 1990

### **Recertification manual for commercial pesticide applicators : field crop pest control, category 1a.**

Landis, Joy Neumann.

East Lansing, Mich. : Cooperative Extension Service, Michigan State University, [1989]. 42, [2] p. : ill. ; 28 cm. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; E-2159.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC recertification

*Abstract:* This review manual for commercial pesticide applicators seeking recertification in field crop pest control includes recommended pesticide treatments, pesticide safety, toxicity, storage and disposal information. There are self-study questions at the end of each chapter. Pesticide emergency poison control center phone numbers are included.

*NAL Call No.:* 275.29 M58B no.2159

### **Recertification manual for commercial pesticide applicators : fruit pest control : category 1c.**

Landis, Joy Neumann; Olsen, Larry C.  
Michigan State University. Cooperative Extension

Service. New.

East Lansing, Mich. : Michigan State University, Cooperative Extension Service, [1990]. 47 p. ; 28 cm. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; E-2161.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC recertification; PATC plant agricultural pest

*Abstract:* Developed to prepare commercial pesticide applicators of fruit pest control for recertification in Michigan, this study manual covers pest management principles, specifically management of insect, weed, disease and vertebrate fruit pests; IPM; pesticide laws/regulations, labels, toxicity, storage, disposal, and environmental effects; protective clothing and laundering of pesticide-contaminated clothing; safety; and application equipment. Includes short answer, fill-in-the-blank, multiple choice and true or false chapter review questions, and Michigan's pesticide emergency information telephone numbers.

*NAL Call No.:* 275.29 M58B no.2161 1990

### **Recertification manual for commercial pesticide applicators : indoor pest control, categories 7a, 7b, 7c, 7d, 8.**

Landis, Joy Neumann; Olsen, Larry G.; Strickler, Karen L.

Michigan State University. Cooperative Extension Service.

East Lansing, Mich. : Michigan State University, Cooperative Extension Service, [1989]. 46 p. ; 28 cm. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; E-2171.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC institutional, structural pest control; PATC recertification

*Abstract:* This manual is designed as a study guide for those commercial pesticide applicators renewing their indoor pest control license. The guide is divided into ten parts; four covering the identification and management of pests and six covering pesticide use, toxicity, labelling, application, safety precautions, federal and state laws and regulations. Review questions follow each chapter. Pesticide

## PATC recertification

emergency information guide with poison control center phone numbers is included.

*NAL Call No.:* 275.29 M58B no.2171

### **Recertification manual for commercial pesticide applicators : ornamental plant pest control, category 3b.**

Landis, Joy Neumann.

East Lansing, Mich. : Cooperative Extension Service, Michigan State University, [1989]. 41, [1] p. : ill. ; 28 cm. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; E-2165.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC recertification

*Abstract:* This review manual is designed for commercial pesticide applicators seeking recertification by the Michigan Department of Agriculture. The general review of ornamental plant pest control covers safety rules and precautions, toxicity, application, storage and disposal of pesticides. A chapter is devoted entirely to ornamental pest identification and management. Self study questions are found at the end of each section; answers are provided. There is a special diagnostic chart highlighting pests and recommended procedures.

*NAL Call No.:* 275.29 M58B no.2165

### **Recertification manual for commercial pesticide applicators : right-of-way pest control, category 6.**

Landis, Joy Neumann.

East Lansing, Mich. : Cooperative Extension Service, Michigan State University, [1990]. 46 p. ; 28 cm. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; E-2170.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC right-of-way pest control; PATC recertification

*Abstract:* This manual is for commercial pesticide applicators applying for recertification in the state of Michigan. Seven general chapters about pests and pesticides are followed by an integrated examination of weeds, diseases and insects common in

right-of-way areas in the state of Michigan. Both state and federal laws and regulations are discussed. Self-study questions follow each chapter. Emergency procedure chart contains telephone numbers for poison control centers.

*NAL Call No.:* 275.29 M58B no.2170

### **Recertification manual for commercial pesticide applicators : turfgrass pest control, category 3a.**

Landis, Joy Neumann; Olsen, Larry G.; Smitley, David.

Michigan State University. Cooperative Extension Service.

East Lansing, Mich. : Michigan State University, Cooperative Extension Service, [1990]. 46 p. ; 28 cm. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; E-2166.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC recertification

*Abstract:* This recertification manual for commercial pesticide applicators is a review manual to be used in preparation for the state of Michigan recertification examination on turfgrass pest control. The text contains a general review of pesticides, toxicity, labels, safety regulations, storage, disposal and federal and state laws and regulations. Pesticide emergency poison control phone numbers are included.

*NAL Call No.:* 275.29 M58B no.2166

### **Recertification manual for commercial pesticide applicators : vegetable pest control : category 1B.**

Landis, Joy Neumann; Grafius, Ed.

Michigan State University. Cooperative Extension Service. New.

East Lansing, Mich. : Michigan State University, Cooperative Extension Service, [1990]. 54 p. ; 28 cm. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; E-2160.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC recertification



## PATC recertification

*Abstract:* Developed to prepare commercial pesticide applicators of vegetable pest control for recertification in Michigan, this study manual covers pest management principles, specifically integrated management of insect, weed, disease and vertebrate vegetable pests; pesticide laws/regulations, labels, toxicity, storage, disposal, and environmental effects; protective clothing and laundering pesticide-contaminated clothing; safety; and application equipment. Includes short answer, fill-in-the-blank, multiple choice and true or false chapter review questions and answer key, and Michigan's pesticide emergency information telephone numbers.

*NAL Call No.:* 275.29 M58B no.2160 1990

## PATC reference

### 1991 turfgrass pest control recommendations for professionals.

Sparks, Beverly.

Rev. Oct. 1990.

Athens, Ga. : Cooperative Extension Service, University of Georgia College of Agriculture, [1990].

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This publication, designed for professional pesticide applicators, contains information about pesticides used for controlling pests in turfgrass in Georgia. It aids the applicator in the diagnosis, selection and application of specific chemicals by describing and cross referencing both the pest and possible effective treatments. A turf management calendar supplements the insect, weed, disease and nematode control treatment formulations. Turfgrass growth regulators are also discussed. A sample pesticide application record and a sample site evaluation form are included.

*NAL Call No.:* 275.29 G29B no.984 1990

### Accent on sprayer accuracy : guide to calibration and spray distribution.

E.I. du Pont de Nemours & Company. Agricultural Products Dept.

Wilmington, Del. : E.J. du Pont de Nemours & Co. Inc., Agricultural Products Dept, [1985?]. 16 p. : col. ill. ; 28 cm.

*Place of publication:* Delaware. *Language:* English.

*Descriptors:* PATC reference; PATC private sector produced material

*Abstract:* This E.I. du Pont booklet is an overview of the sprayer control system interactions with detailed explanations of calibration techniques. Sprayer application strategies for pesticide use with both flat fan and flood nozzles are illustrated and highlighted. Reference charts for nozzle tip selection are presented to aid the applicator in making the most advantageous choice for a specific task.

*NAL Call No.:* S694.A2

### Advances in urban pest management.

Bennett, Gary W.; Owens, John M.

New York, N.Y. : Van Nostrand Reinhold Co, c1986. x, 399 p. ; 24 cm.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* Integrated Pest Management (IPM) practices and strategies for pesticide applicators working in urban or heavily populated areas are presented in this reference book. Arthropod, weed, vertebrate, household and public health pest and wood destroying organism controls are covered. Comprehensive bibliographies by topic are cited at the end of each chapter.

*NAL Call No.:* SB950.8.A3

### Agricultural chemicals : from laboratory to commercial label : how crop protection chemicals are developed, registered and regulated.

National Agricultural Chemicals Association.

Washington, D.C. : National Agricultural Chemicals Association (NACA), [1985]. 24 p., [1] folded leaf of plates : col. ill. ; 22 cm.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* Screening, toxicology, testing, EPA evaluation and EPA approval procedures are steps for securing a federal label registration for a new pesticide. The process of agricultural chemical registration is explained by the National Agricultural Chemicals Association in this booklet.

*NAL Call No.:* S584.75.U5A3

### Agricultural chemicals. Book I, Insecticides.

Thomson, W.T.

Davis, Calif. : Thomson Publication, [196?-].

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* Prepared for pest control operators, farmers, pesticide dealers, agronomists, research-



ers, extension agents, turfgrass managers, and other interested individuals, this handy reference guide lists and describes available as well as experimental insecticides. Chemicals are grouped by cyclo compounds; carbamates; animal plant derivatives, synthetic pyrethroids and inorganic compounds; diphenyl compounds and other non-phosphate insecticides; and organic phosphates. Chemicals can be accessed by common and trade names in the Names, Compounds and Mixtures index appearing in the front of the book. Includes addresses of basic manufacturers and sprayer calibration formulas, conversion tables and factors and measurements in the glossary section well as experimental insecticides.

*NAL Call No.:* SB951.5.A37

**Agricultural chemicals. Book II, Herbicides.**

Thomson, W.T.

Davis, Calif. : Thomson Publications, [196?-].

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This handy reference guide lists and describes available as well as experimental herbicides. Chemicals are grouped by phenoxy compounds; benzoic, acetic acids and phthallic compounds; dinitroanilines, nitrites, amides, acetamides and anilides; carbamates; heterocyclic nitrogen derivatives; urea compounds; metal organics & inorganics; and other herbicides. Includes addresses of basic manufacturers and measurements, and conversions factors and tables. For farmers, pest control operators, agronomists, pesticide dealers, researchers, extension agents, turf grass managers and interested individuals.

*NAL Call No.:* SB951.5.A372

**Agricultural chemicals. Book III, Fumigants, growth regulators, repellents and rodenticides.**

Thomson, W.T.

Fresno, Calif. : Thomson Publications, [196?-].

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This handy reference guide lists and describes available as well as experimental chemicals grouped by fumigants; growth regulators; repellents, avicides, fish toxicants, pheromones, seed safeners, and miscellaneous; and rodenticides. Includes conversions, measurements, and calibration formulas and addresses of basic manufacturers. For pest control operators, farmers, agronomists, pesticide dealers, researchers, extension agents, turfgrass managers and other interested individuals.

*NAL Call No.:* SB951.5.A373

**Agricultural chemicals. Book IV, Fungicides.**

Thomson, W.T.

Fresno, Calif. : Thomson Publications, [196?-].

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This handy reference guide for farmers, pest control operators, pesticide dealers, agronomists, researchers, extension agents, turfgrass managers, and other interested individuals, lists and describes available as well as experimental fungicides and their uses. Chemicals are grouped by inorganics, metal organics, antibiotics, carbamates, and miscellaneous organic fungicides. Chemicals can be accessed by common and trade names in the Names, Compounds and Mixtures index at the front of the book. Includes addresses of basic manufacturers, and sprayer calibration formulas, conversion tables and factors, and measurements in the glossary section.

*NAL Call No.:* SB951.5.A374

**Be prepared-- just in case : a video guide to the safe transportation of pesticides.**

United States. Dept. of Agriculture.

[Washington, D.C.?] : The Office, [1989?]. 1 videocassette (15 min.) : sd., col. ; 1/2 in.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This videotape, of interest to farmers, firefighters, applicators, and distributors, shows

## PATC reference

how to safely transport concentrated pesticides on highways and demonstrates what to do in case of spills.

*NAL Call No.:* Videocassette no.461

### **Biological control agents and where to find them.**

Dreves, A.

[Corvallis, Or.] : Oregon State University, Extension Service, [1989].

*Place of publication:* Oregon. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This Oregon publication contains a chart providing addresses and telephone numbers for commercial suppliers of biological control agents (natural enemies including predators, parasites and pathogens) for suppressing insect and mite pests. Codes are used in the chart for scientific names of beneficial organisms and for traps and control materials.

*NAL Call No.:* 275.29 Or32C no.1328

### **Biological control in agricultural IPM systems : proceedings of the Symposium on Biological Control in Agricultural Integrated Pest Management Systems held at the Citrus Research and Education Center, University of Florida, at Lake Alfred, June 4-6, 1984.**

Hoy, Marjorie A.; Herzog, D. C. Symposium on Biological Control in Agricultural Integrated Pest Management Systems.

Orlando, Fla. : Academic Press, 1985. xv, 589 p. : ill. ; 24 cm.

*Place of publication:* Florida. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This book serves as a reference resource of biological control techniques that can be used by pesticide applicators in an agricultural Integrated Pest Management (IPM) plan. Control of arthropod pests, weeds, plant pathogens and nematodes is specifically addressed. IPM systems for citrus, alfalfa, cotton, and soybean crops and vineyards are suggested.

*NAL Call No.:* SB933.3.B548

### **Boom sprayers.**

Daum, Donald R.; Reed, Thomas F.

Northeast Regional Agricultural Engineering Service. 1st ed.

Ithaca, N.Y. : Northeast Regional Agricultural Engineering Service [at] Cornell University, [1983]. 21 p. : ill. ; 28 cm. -- NRAES (Series) ; 19.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* The Northeast Regional Agricultural Engineering Service (NRAES) authored this Boom Sprayers guide for commercial or agricultural pesticide applicators to explain the various types of pesticide boom sprayers and how they work. Calibration formulas for each type of boom sprayer are given.

*NAL Call No.:* S694.D3

### **Chem sources U.S.A.**

Directories Publishing Company.

Flemington, N.J. : Directories Publishing, Co., 1973-.

*Place of publication:* New Jersey. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* Sources of chemicals in the United States are compiled in this annually updated directory. It contains color coded sections: Chemicals; Trade Name Index; Classified Trade Names; Company Directory and Company Index. Bulk suppliers are indicated by an asterisk.

*NAL Call No.:* TP12.C4

### **Chemical & chemical safety manual : technical data for pesticides of the structural pest control industry.**

Dunn Loring, Va. : National Pest Control Association, 1986-.

*Place of publication:* Virginia. *Language:* English.

*Descriptors:* PATC reference



## PATC reference

*Abstract:* This manual provides technical data for pesticides (insecticides, rodenticides, fumigants, avicides and miscellaneous, and herbicides) commonly used in the structural pest control industry. This manual serves as a guide, not a substitute for current pesticide label information, for pest control operators, pesticide dealers, health and safety officers, extension agents, researchers, and individuals working in structural pest control. Includes seven sections: pesticide toxicity categories and values; mode of action; directory of Poison Control Centers' state coordinators; protective clothing and equipment; transportation, storage and disposal; cleanup procedures; NPCA allied members; and glossary. Its loose-leaf format permits easy updating as chemicals, methods, regulations and application and safety equipment change.

*NAL Call No.:* SB952.5.C49

### **Cleaning protective apparel to reduce pesticide exposure.**

Laughlin, J.

New York, N.Y. : Springer-Verlag, 1988. -- Reviews of Environmental Contamination and Toxicology, 1988. v. 101 p. 93-119.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This bibliographic review article examines the cleaning of protective clothing to reduce pesticide exposure from dermal absorption. Applicators need to be aware that protection provided by protective garments depends on the chemical/chemicals used and related factors encountered. Laundering problems, and transference of pesticide from clothing item to clothing item and dry cleaning options are discussed.

*NAL Call No.:* TX501.R48 v.101

### **Clothing : our portable protection and adornment.**

Raheel, M.

Urbana, Ill. : The Station, Summer 1988. -- Illinois Research, Illinois Agricultural Experiment Station, Summer 1988. v. 30, (2) p. 15-17.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This article emphasizes the need for those who apply or work in the proximity of pesticides to use dermal protection. The value of protective clothing and the decontamination of fabrics exposed to pesticides are discussed.

*NAL Call No.:* 100 IL64 v.30, no.2

### **Clothing to reduce exposure to pesticides.**

Keeble, V. B.

Logan, Utah : The Station, Summer 1988. -- Utah Science, Utah Agricultural Experiment Station, Summer 1988. v. 49 (2) p. 38-43.

*Place of publication:* Utah. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This article is written for pesticide applicators and those who work in the proximity of pesticides. The author suggests that clothing will reduce pesticide exposure poisoning and recommends immediate, careful laundering of contaminated clothing. Special care is recommended so that pesticides from contaminated clothing are not transferred to other laundry.

*NAL Call No.:* 100 UT1F v.49, no.2

### **Common names of insects & related organisms, 1989.**

Stoetzel, Manya B.

Entomological Society of America. Committee on Common Names of Insects.

[College Park, Md.] : Entomological Society of America, c1989. 199 p. ; 19 x 26 cm.

*Place of publication:* Maryland. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This updated list of Entomological Society of America (ESA) approved common names of insects and related organisms includes 2,018 common names of insects and common names for 131 mites and ticks, 12 snails and slugs, 9 spiders and 7 other non-insects. The easy-to-use spiral bound reference is divided into four sections with lists cross-referenced by common name, scientific name, higher taxonomic category and phylum, class, order and family names.

## PATC reference

*NAL Call No.:* QL468.C64 1989

### **Common sense pest control quarterly.**

Berkeley, Calif. : Bio Integral Resource Center, c1984-.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This journal published by the Bio Integral Resource Center (BIRC) for pest management professionals features articles on innovative integrated pest management (IPM) methods for solving pest problems. Research updates, programs implementing IPM techniques, and biological controls are highlighted.

*NAL Call No.:* SB950.A1C62

### **Complete guide to pest control : with and without chemicals.**

Ware, George Whitaker 1927-  
2nd edition.

Fresno, Calif. : Thomson Publications, c1988. xii, 304 p. : ill. ; 28 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC general public and homeowners; PATC reference

*Abstract:* This how-to-do-it book is written for urban and suburban residents who wish to manage their own pest problems. It is a catalog of selected pests and alternative chemical and natural control strategies. Pest problems that might be encountered anywhere in the United States are described and accompanied by directions for safe, simple treatment methods using chemical and nonchemical techniques. Safe handling and storage of pesticides, pesticide laws and regulations, and exposure, use, and application hazards are discussed. There are four cross-referenced tables of common, trade and chemical names for insecticides, fungicides, herbicides and miscellaneous pesticides and repellents. Directions and materials needed for pesticides and repellents that can be made at home are supplied. A directory of State Cooperative Extension Service offices and sources of pest controls are included.

*NAL Call No.:* SB950.W37 1988

### **Complying with the OSHA hazard communication standard.**

Hamilton, George C., 1957-.

New Brunswick, N.J. : Rutgers, Cooperative Extension, New Jersey Agricultural Experiment Station, Rutgers, the State University of New Jersey, [1988?].

*Place of publication:* New Jersey. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This New Jersey Agricultural Experiment fact sheet explains the OSHA standards for users of hazardous chemicals. It covers pesticide container labeling, material safety data sheet (MSDS) requirements, employee training regulations and the Hazard Communication Program (HCS).

*NAL Call No.:* S544.3.N5F7 no.350

### **Controlling turfgrass pests.**

Shurtleff, Malcolm C; Fermanian, Thomas W.; Randell, Roscoe.

Englewood Cliffs, N.J. : Prentice-Hall, c1987. xiii, 449 p. : ill. ; 25 cm.

*Place of publication:* New Jersey. *Language:* English.

*Descriptors:* PATC general public and homeowners; PATC reference

*Abstract:* Topics covered in this turfgrass pest management reference book for turfgrass managers, extension agents, homeowners and the general public include: turfgrass maintenance; the biology and control of weeds, insects and related pests, and diseases; hose-end, manual and power sprayers, granular applicators; calibration; and integrated pest management. Includes keys to identifying insects and related pests and diseases. Measurements and conversions, formulas and tables for calculating application rate and area, a list of land-grant institutions and agricultural experiment stations and a glossary are provided.

*NAL Call No.:* SB608.T87S48

### **CRC handbook of pest management in**



## PATC reference

### **agriculture.**

Pimentel, David, 1925-.  
Boca Raton, Fla. : CRC Press, c1981-. v. 1-3 : ill.  
; 26 cm. -- CRC series in agriculture.

*Place of publication:* Florida. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This comprehensive reference book examines in depth insect, plant pathogen and weed pest management in agriculture. Practical integrated pest management (IPM) information on cultural, biological and environmental pest control is provided. Major chemical and nonchemical pest control issues including estimated losses of agricultural crops and livestock to pests; pesticide resistance; impacts of pesticides on the environment; and assessments of the effectiveness, benefits and risks of pesticide use and pest control methods are covered.

*NAL Call No.:* SB950.C7

### **Crop protection chemicals reference : CPCR.**

New York, N.Y. : Chemical and Pharmaceutical Pub. Corp., c1985-.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This comprehensive reference book is a guide to crop protection chemicals. It contains six color coded indexes: Brand Name Quick, Manufacturers, Common and Chemical Name, Product Catalog, Crop and Non-Crop Use and Pesticide Use Indexes. Appendixes provide calibrations and conversions, handling, storage and safety information, DOT information by product, poison control centers, state solid and hazardous waste agencies, poison control centers, pesticide regulation officials and extension pesticide coordinators. Includes manufacturers' product labels.

*NAL Call No.:* SB950.9.C76

### **Diseases of trees and shrubs.**

Sinclair, Wayne A. 1936-; Lyon, Howard H.; Johnson, Warren T.  
Ithaca, N.Y. : Comstock Pub. Associates, 1987. 574 p. : col. ill. ; 31 cm.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* A pictorial survey of diseases of forest and shade trees and woody ornamental plants in the United States and Canada, this reference book and diagnostic aid features disorders caused by over 350 pathogens and environmental damage over 260 plant species. Descriptive text augmenting the color plates provides information on the pathogen's biology and ecology including its host and geographic range. Contains a glossary and extensive references.

*NAL Call No.:* SB762.S56

### **Effect of fabric characteristics on pesticide penetration through selected apparel fabrics.**

Leonas, K. K.  
New York, N.Y. : Springer-Verlag, 1989. -- Bulletin of Environmental Contamination and Toxicology, Aug. 1989. v. 43 (2) p. 231-238.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This article discusses the reduction of health risks, especially pesticide poisoning caused by skin absorption through the use of protective clothing. Twelve fabrics, ten commonly available to agricultural workers (four nonwoven protective clothing fabrics and six woven fabrics) and two experimental nonwoven fabrics, were tested and rated for pesticide penetration and protection. Findings show that different pesticides penetrate different material and that two of the six nonwoven fabrics, Saranex and PE-coated Tyvek provided excellent protection from all pesticides.

*NAL Call No.:* RA1270.P35A1 v.43, no.2

### **Empty container disposal : safe practices for agricultural chemical users.**

National Agricultural Chemicals Association.  
Washington, D.C. : National Agricultural Chemicals Association, [198-?]. 1 v. (unpaged) : ill. ; 23 x 10 cm.

*Place of publication:* District of Columbia. *Language:*

## PATC reference

*guage:* English.

*Descriptors:* PATC reference

*Abstract:* Designed for agricultural chemical users, this booklet presents general guidelines for safe, proper, and environmentally sound empty pesticide container disposal practices. It discusses correct rinsing procedures and disposal options. A ready reference chart for disposal options after rinsing is provided.

*NAL Call No.:* S585.8.E5

### **Empty pesticide container collection : operations manual.**

Minnesota. Dept. of Agriculture. Rev.  
St. Paul, Minn. : Minnesota Dept. of Agriculture, 1991. iv, 11 p. : forms ; 28 cm.

*Place of publication:* Minnesota. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This Minnesota operations manual integrates MDA (Minnesota Department of Agriculture) and EPA regulations for empty pesticide container collection and disposal. Project objectives, eligibility and participation costs, the MDA's and cooperating sponsor's roles, the collection process and a safety plan are outlined and discussed. Current disposal and management options are explored. The appendixes contain Agreement and Certificate of Attendance and Notification of the Rejection of Containers forms, a cooperator survey, and job descriptions for receiving worker, unloading/inspecting worker, and information/education worker for project volunteers.

*NAL Call No.:* SB959.E4 1991

### **Environmental chemistry of herbicides.**

Grover, R.  
Boca Raton, Fla. : CRC Press, c1988-. v. 1- : ill. ; 27 cm.

*Place of publication:* Florida. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This reference book provides information on the principles controlling the behavior of her-

bicides in soil including adsorption, surface runoff, evaporation and dissipation. The environmental impact of herbicides is also discussed. For individuals making recommendations on weed control, scientists, ecologists and agencies responsible for regulating herbicides used in agriculture and forestry.

*NAL Call No.:* SB951.4.E58

### **Equipment and calibration : granular applicators.**

Bode, Loren E.; Pearson, Stephen L.  
[Urbana, Ill.] : University of Illinois at Urbana-Champaign, College of Agriculture, Cooperative Extension Service, [1985].

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This circular is concerned with granular pesticide application equipment and its calibration. The material includes information specifically directed to accurate calibration for broadcast, band and in-the-row applications. Examples, sample formulas and illustrations augment the presented calibration techniques explanations.

*NAL Call No.:* 275.29 IL62C no.1240

### **Evaluation of an interactive videodisc program for pesticide applicator training.**

Montgomery, Rae.  
[St. Paul, Minn.] : Minnesota Extension Service, University of Minnesota, Telecommunications Development Center, [1990]. -- TDC research report ; no. 10.

*Place of publication:* Minnesota. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This report evaluates a computer-based interactive videodisc program developed by the Minnesota Extension Service (MES) to train and certify private pesticide applicators. The program employs video simulation of different situations applicators encounter when interpreting pesticide labels, handling pesticides, selecting and calibrating equipment, and preventing and responding to



## PATC reference

poisoning and environmental degradations. Research results indicate that the MES interactive videodisc technology is as effective as a private applicator training group workshop or home study course. In fact, the users found this training program more satisfying because the integrated certification test reinforced concepts and immediately calculated test scores. For county extension agents, this program is a convenient alternative for private pesticide applicator certification training.

*NAL Call No.:* SB952.863.M6M6 no.10

### **EXTOXNET : Extension toxicology network.**

Hotchkiss, Barbara E.

[Ithaca, N.Y.? : Cooperative Extension Service, Cornell University?, 1989?]. 1 v. (various pagings) : ill. ; 30 cm.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* The objective of EXTOXNET (Extension Toxicology Network), a cooperative educational project, is to provide pesticide toxicology information in comprehensive terms to County Agents and pesticide applicators. This manual utilizes two formats to convey information: PIPs, Pesticide Information Profiles, and TIBs, Toxicology Information Briefs. The PIPs cover the toxicology and ecological impact of specific pesticides. The TIBs explain terminology and information contained in the PIPs. Pesticide related subjects including carcinogenicity, exposure standards, pesticides in food, and many others are discussed in the TIBs. The glossary and charts of pesticide toxicities are useful features. The looseleaf format permits updating and addition of yet to be completed TIBs.

*NAL Call No.:* RA1270.P4E9

### **Farm chemicals handbook.**

[Willoughby, Ohio : Meister Pub. Co, 1951?-]. v. : ill. ; 29 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* The 1990 Farm Chemicals Handbook is a master index of fertilizers, pesticides, chemical

manufacturers, federal and state regulations, chemical application procedures, and storage and disposal options. The pesticide dictionary section is a comprehensive compilation that includes action, use, formulations, combinations, environmental guidelines, safety guidelines, toxicity class, hazards, solubility, emergency guidelines and first aid treatments. Common name, chemical name and discontinued names are noted. A buyers' guide of agricultural chemicals includes lists of suppliers of adjuvants, anti-desiccants, emulsifiers, synergists, wood preservatives, frost protectors as well as protective clothing, specific pesticides and application equipment. Quick reference tables are included.

*NAL Call No.:* 57.2 Am3

### **Farm guide to the right-to-know law.**

Goh, Kean S.; Diamond, Elisa B.; Gibson, Roberta L.

Ithaca, N.Y. : Cooperative Extension, Chemicals-Pesticides Program, New York State College of Agriculture and Life Sciences at Cornell University, [1987]. iii, 124 p. : ill. ; 28 cm.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This manual is intended to help farm employers and small businesses that use pesticides understand and comply with the Right-to-know Laws in New York State. Methods of keeping a chemical inventory list, suggestions for the development of training programs, and skills to communicate toxicity levels and safe pesticide use techniques are discussed. Includes Poison Control Centers telephone numbers, summary of pesticide and hazardous chemical poisoning symptoms and generic Material Safety Data Sheets (MSDS).

*NAL Call No.:* SB950.2.N7G6

### **Field crop diseases handbook.**

Nyvall, Robert F.

2nd ed.

New York, N.Y. : Van Nostrand Reinhold, c1989. xiii, 817 P. ; 26 cm.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC reference

## PATC reference

**Abstract:** Prepared as a comprehensive single volume basic reference on the diseases of many of the world's important field crops for students of agriculture and agricultural workers, this expanded second edition covers approximately 1,200 diseases of 25 different plants. Each chapter treats diseases of a specific crop organized by causal organism (i.e. bacterial, fungal, mycoplasmal, viral, nematode and unknown causes). Under the causal organism heading, diseases are listed alphabetically by common name. Glossary.

NAL Call No.: SB731.N94 1989

### **Forest insects : principles and practice of population management.**

Berryman, A. A. 1937-.

New York, N.Y. : Plenum Press, c1986. xiv, 279 p. : ill. ; 24 cm. -- Population ecology.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC reference

**Abstract:** This reference/textbook is appropriate for the professional pesticide applicator involved in forest pest control. The book covers methods of insect identification, descriptions of insect life cycles, ecological impacts of pesticide use, management strategies and the practice of forest insect management (diagnosis, prognosis and prescription). A comprehensive bibliography is included.

NAL Call No.: SB761.B4

### **Glossary of pesticide toxicology and related terms.**

Eesa, Naeem; Cutkomp, L. K.

Fresno, Calif. : Thomson Publications, c1984. 84 p. : ill. ; 28 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC reference

**Abstract:** This glossary, assembled for researchers, educators, students and persons working with pesticides compiles biochemical, pharmacological and physiological terms and definitions related to pesticides and pesticide toxicology.

NAL Call No.: RA1270.P4E33

### **Handbook of pest control : the behavior, life history, and control of household pests.**

Mallis, Arnold.

7th ed.

Cleveland, Ohio : Franzak & Foster Co, [c1990]. 1152 p., [34] p. of plates : ill. (some col.), maps ; 24 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC reference

**Abstract:** Written for practicing urban pest management professionals particularly pest control operators, this comprehensive reference handbook covers the behavior, biology and control of household pests including vertebrate pests and occasional invaders. Integrated pest management (IPM) methods are emphasized and additional information on nonchemical approaches is provided in the seventh edition. New sections on chemophobia, liability and litigation, pesticide safety and IPM in sensitive environments are included. Chemicals used in structural pest management, fumigation and equipment are discussed. Contains a glossary, index of pesticide common names and examples of registered trade names and numerous illustrations and pictorial keys to aid in identification.

NAL Call No.: TX325.M3 1990

### **Handbook of pesticide toxicology.**

Hayes, Wayland J., 1917-; Laws, Edward R. San Diego, Calif. : Academic Press, 1991.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC reference

**Abstract:** A detailed authoritative overview of the principles of toxicology emphasizing their application to pesticides is presented in Volume 1 of this three volume handbook. Expanded and new knowledge about the effects of pesticide exposure and pesticides on humans, domestic animals and wildlife, and diagnosis and treatment of poisoning as well as injury prevention is summarized in the first volume. Similarly, an overview of the different classes of pesticides is provided in Volumes 2 and 3. Separate sections cover the compounds studied in humans which now total over 250. This hand-



## PATC reference

book is a useful reference for pest control operators, farmers, citizens wishing to responsibly address pesticide concerns and issues, scientists, physicians, governmental regulators, lawyers, and related industries' safety directors.

*NAL Call No.:* RA1270.P4H36

**Improving on-target placement of pesticides : a conference : June 13-15, 1988, Sheraton International Conference Center, Reston, Virginia.**

United States. Science and Education; Agricultural Research Institute (U.S.).

Bethesda, Md. : Agricultural Research Institute, [1988?]. viii, 220 p. : ill. ; 21 cm.

*Place of publication:* Maryland. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This book is a compilation of the papers presented to the Agricultural Research Institute (ARI) in 1988. The topics covered include the impact of pesticide usage, selection of spraying nozzles, pesticide application efficiency, groundwater protection, pesticide worker safety, closed system problems and other container disposal issues, aerial pesticide application, and applicator education programs. The articles contain helpful bibliographies.

*NAL Call No.:* SB950.93.I5

**Information resources in toxicology.**

Wexler, Philip 1950-.

2nd ed.

New York, N.Y. : Elsevier, c1988. xxiv, 510 p. ; 27 cm.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This sourcebook contains a selected list of United States and international resources pertaining to harmful effects of chemicals on biological systems.

*NAL Call No.:* RA1193.4.W49 1988

**Insect pests of farm, garden, and orchard.**

Davidson, Ralph Howard; Lyon, William F. 1937-8th ed.

New York, N.Y. : Wiley, c1987. xiii, 640 p. : ill. ; 23 cm.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This book covers insect pests of farm (vegetable crops, grains, cotton, sunflower and livestock), garden, orchard (citrus, pome, stone and small fruits, grapes and tree nuts), turfgrass, stored products and man. Both chemical and nonchemical control measures are discussed with emphasis on the latter. Illustrations and photos aid in identifying pests and diagnosing pest problems. A useful reference for agricultural consultants, farm managers, pest control operators, extension entomologists, and county agricultural agents.

*NAL Call No.:* SB951.D3 1987

**The Insecticide, herbicide, fungicide quick guide.**

Page, B. G.; Thomson, W. T.

Fresno, Calif. : Thomson Publications, [c1970-. v. ; 23 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This ready reference book is a cross-referenced directory designed to be used by pesticide professionals. The information is derived from pesticide manufacturers' labels and the USDA and EPA pesticide summary. Insecticides, herbicides and fungicides are subdivided by trade names, affected host, and pest so that access to information can be approached in all three areas. The glossary contains formulation, conversion, and calibration charts as well as formulas for calculating area, volume and perimeter. The final section gives the addresses of basic world-wide pesticide manufacturers.

*NAL Call No.:* SB951.P25

**Insecticide product guide.**

[Willoughby, Ohio] : Ag Consultant and Fieldman, 1982-.

## PATC reference

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC reference

**Abstract:** This annually updated directory is designed as a product guide to assist agricultural consultants, farmers, researchers, and pesticide dealers and distributors in selecting appropriate insecticides for crop pest control. Information is provided on numerous chemicals for use on a variety of crops. This guide is divided into sections by crop (e.g. field corn; soybeans; cotton; wheat and small grains; other field crops; vegetables; small fruits, tree fruits, nuts; lawns and turf/oramentals; and other uses.) Three indexes provide ready access by insecticide, crop and pest. Includes a directory of insecticide manufacturers.

*NAL Call No.:* SB950.9.I57

### **Integrated pest management.**

Clokey, Joe; Harrigan, Jim.

Premavision, Inc.; San Luis Video Productions. San Luis Obispo, Calif. : San Luis Video Productions, c1988. 1 videocassette (VHS) (25 min.) : sd., col. ; 1/2 in. + "list of sources" (3 p. on 1 folded sheet).

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC reference

**Abstract:** Describes an "IPM" program, including how to use beneficial insects to control harmful insects in the garden, and how to develop an Integrated Pest Management program.

*NAL Call No.:* Videocassette no.586

### **Integrated pest management systems and cotton production.**

Frisbie, R. E.; El-Zik, Kamal M.; Wilson, L. Ted. New York, N.Y. : J. Wiley, c1989. xvi, 437 p. : ill. ; 25 cm. -- Environmental science and technology.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC reference

**Abstract:** The focus of this book is the integrated pest management (IPM) approach to major pest problems affecting cotton production. Cultural management and pest suppression, economic in-

jury levels and thresholds for cotton pests, strategies and tactics for managing plant pathogens, nematodes, insects, mites and weeds are covered. The past, present and future of cotton IPM, pest models and quantitative sampling principles, and genetic improvement for pest and stress resistance are discussed.

*NAL Call No.:* SB608.C8I59

### **The IPM practitioner : the newsletter of integrated pest management.**

Bio Integral Resource Center (Winters, Calif.). Berkeley, Calif. : Bio Integral Resource Center, 1979-.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC reference

**Abstract:** This journal publication of the Bio Integral Resource Center (BIRC) provides information on the least-toxic methods of managing pests in the United States and Canada using Integrated Pest Management (IPM) principles. Research findings, techniques for preventing infestations of pests, book reviews, biological controls and safe pest control products are highlighted.

*NAL Call No.:* SB950.A1I66

### **Liquid calibration handbook.**

Kroon, Cornelius W.

2nd revision.

Fresno, Calif. : Thomson Publications, 1987, c1978. 1 v. (various pagings) ; 28 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC reference

**Abstract:** This handbook is designed to be of practical use to anyone who needs to compute the liquid calibration of pesticides in the agricultural field. The basic content of this guide is tables, formulas, conversions and calibration methods for aerial, ground and orchard pesticide applications. Samples are given, illustrated by charts and formulas.

*NAL Call No.:* S694.K7 1987

### **Livestock entomology.**



## PATC reference

Williams, Ralph E. 1949-.  
New York, N.Y. : Wiley, c1985. x, 335 p. : ill. ; 25 cm.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This reference/text book introduces and describes insects and other arthropod pests which affect production animal husbandry as well as common animal pets. The book provides a ready reference by which pest problems may be identified and information obtained on the species and symptoms involved. This book is useful to those requiring knowledge about entomology, including pesticide applicators, extension agents, livestock producers and veterinarians.

*NAL Call No.:* SF810.A3L56

### **Management of pesticide poisoning.**

University of Nebraska Medical Center. Biomedical Communications Center; Nebraska Cooperative Extension Service; United States. Extension Service.

Omaha, Neb. : Biomedical Communications, [198-?]. 111 slides : col. + 1 audible pulse sound cassette (14 min.) + 1 inaudible pulse sound cassette (14 min.) + 1 script (16 p.).

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* Covers how pesticides enter the body, symptoms of poisoning, steps for treating poisoning victim upon arrival at the hospital, and use of label information and Poison Control Centers. Gives information on treatment of poisoning by organophosphates or carbamates, organochlorines, dipyridyls (paraquat and diquat), fumigants, and strychnine. For nurses.

*NAL Call No.:* Slide no.345

### **Management of pesticide poisonings : a guide for physicians.**

University of Nebraska Medical Center. Biomedical Communications Center; Nebraska Cooperative Extension Service; United States. Extension Service.

Omaha, Neb. : Biomedical Communications, [198-

?]. 119 slides : col. + 1 audible pulse sound cassette (17 min.) + 1 inaudible sound cassette (17 min.) + 1 script (19 p.).

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* Covers routes of exposure to pesticides, symptoms of systemic poisoning, tips for diagnosis including atropine refractory test, and treatment of poisoning by organophosphates or carbamates, organochlorines, dipyridyls (paraquat and diquat), fumigants, and strychnine. Considerable discussion of other illnesses which may cause symptoms similar to pesticide poisoning symptoms. For health providers.

*NAL Call No.:* Slide no.346

### **Management of pesticide poisonings : guide for emergency personnel.**

University of Nebraska Medical Center. Biomedical Communications Center; Nebraska Cooperative Extension Service; United States. Extension Service.

Omaha, Neb. : Biomedical Communications, [198-?]. 104 slides : col. + 1 audible pulse sound cassette (13 min.) + 1 inaudible pulse sound cassette (13 min.) + 1 script (16 p.).

*Place of publication:* Nebraska. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* Covers how pesticides enter the body, poisoning symptoms and first aid for organophosphates and carbamates, organochlorines, dipyridyls, fumigants, and strychnine. Gives examples of appropriate response in several different types of poisoning incidents. Also discusses how emergency workers should protect themselves from being poisoned and decontaminate after contact with pesticide residues. For emergency personnel.

*NAL Call No.:* Slide no.344

### **Methods of applying herbicides.**

McWhorter, C. G.; Gebhardt, M. R.  
Champaign, Ill. : Weed Science Society of America, c1987. iii, 358 p. : ill. ; 27 cm. -- Monograph series of the weed science society of America

## PATC reference

; no. 4.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This reference book covers the technological advances made in herbicide application methods in a system that stresses the equal importance of herbicide chemical and physical properties, plant morphology, pesticide application accuracy and pesticide distribution. Chapters specifically focus on spray application, aerial application, chemigation, electrostatic enhancement, controlled release materials, pre- and postemergence treatment and injection. Safety and environmental issues are discussed.

*NAL Call No.:* SB610.M65 no.4

### **Minimizing pesticide exposure risk for the mixer-loader, applicator, and field worker.**

Waldron, A. C.

Washington, D.C. : The Society, 1985. -- ACS Symposium Series, American Chemical Society, 1985. (273) p. 413-425.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* Final control in minimizing hazards from pesticides rests with individual agricultural workers. Research shows that use of proper protective clothing and equipment and observing re-entry intervals can provide adequate protection to workers. Approximately 97.5% of the herbicides applied to major crops in Ohio in 1982 were of the slightly toxic categories, but almost 60% of the insecticides were highly or moderately toxic. Herbicides accounted for 90.5% of the 30 million pounds of pesticide a.i. applied and insecticides for 9.0%. Over 99% of the corn and soybean acreages were treated for weed control and 43% of the corn and alfalfa acreages for insects. More than 80% of the farmers wore gloves, head covering and long-sleeved, long-legged work clothes in mixing/loading pesticides regardless of toxicity but the percentages were far less for application and use of eye, face and respiratory protection.

*NAL Call No.:* QD1.A45 no.273

### **Minnesota empty pesticide container disposal report.**

Minnesota. Agronomy Services Division.

St. Paul, Minn. : Minnesota Dept. of Agriculture, Agronomy Services Division, [1988]. 36 leaves : ill. ; 28 cm.

*Place of publication:* Minnesota. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This report summarizes the responses of Minnesota farmers, pesticide users and dealers, to questions in the "Disposal of Waste Pesticides and Empty Pesticide Containers" survey developed in 1987 by the Minnesota Center for Survey Research. It presents five recommendations raised by the survey and review of information from other states' empty container disposal efforts which must be resolved before Minnesota institutes a state mandated pesticide deposit and return program.

*NAL Call No.:* TD1066.P47M5

### **NACA agricultural chemical reference guide for the shipment of hazardous materials.**

National Agricultural Chemicals Association.

Washington, D.C. : National Agricultural Chemicals Association, c1988. 20 p. : ill. ; 22 cm.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This National Agricultural Chemical Association booklet provides information for the shipment and transportation of hazardous materials. Information includes definitions of hazard classifications, packaging requirements, bill of lading and marking instructions, labeling and placarding requirements as well as E.P.A. and D.O.T. regulations about "leakers".

*NAL Call No.:* HE5623.A45N3

### **NIOSH pocket guide to chemical hazards.**

National Institute for Occupational Safety and



## PATC reference

Health. Fifth printing, Sept. 1985, with technical changes.  
[Cincinnati, Ohio?] : NIOSH ; Washington, D.C. : For sale by the Supt. of Docs., U.S. G.P.O., [1985]. iv, 241 p. -- DHHS (NIOSH) publication ; no. 85-114.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This pocket guide was developed to present technical information and data taken partly from the NIOSH/OSHA Occupational Health Guidelines for Chemical Hazards in ready reference tables for workers, employers and occupational health professionals. Chemical names and synonyms, exposure limits, chemical and physical properties, recommended protective clothing and respirators, exposure routes, signs and symptoms, target organs, and first aid procedures are supplied for 397 federally regulated chemicals or types of chemicals found in work environments.

*NAL Call No.:* TP149.N5 1985

### **Nonagricultural pesticides : risks and regulation : report to congressional requesters.**

United States. General Accounting Office.  
Washington, D.C. : U.S. General Accounting Office, [1986]. 61 p. ; 28 cm.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This GAO report presents findings concerning EPA's efforts to assess the risks of chronic health effects of nonagricultural pesticides, the extent to which the public is informed about such risks, and federal and state controls ensuring proper use of pesticides by professional pesticide applicators.

*NAL Call No.:* SB951.U572

### **North Central Regional Water Quality Conference : assessing agricultural impacts on water quality and identifying preventive actions to reduce impacts : April 22-25, 1990.**

North Central Regional Water Quality Conference.

[Minn.? : Minnesota Extension Service, Educational Development Systems?, 1990?]. 1 v. (loose-leaf) : ill. ; 29 cm.

*Place of publication:* Minnesota. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This North Central Regional Water Quality Conference Reference Manual contains numerous publications which provide the best available information on measures including pesticide applicator practices to minimize and prevent groundwater contamination and solve water quality problems. The six topic areas covered are: 1) site assessment; 2) pest management; 3) nutrient management; 4) waste management; 5) economics; and 6) policy. Where groundwater comes from, how it moves and the health effects of groundwater contamination as well as pesticide surface runoff, leaching, and exposure concerns are discussed.

*NAL Call No.:* TD428.A37N67 1990

### **Nutrient and pesticide best management practices for Wisconsin farms.**

University of Wisconsin--Extension; Wisconsin. Dept. of Agriculture, Trade and Consumer Protection. 1st ed.

Madison, Wis. : University of Wisconsin-Extension, 1989. 2 v. : ill., maps (some col.) ; 28 cm. -- Bulletin (University of Wisconsin--Extension) ; A-3466, A-3467. -- WDATCP technical bulletin ; ARM-1.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This manual summarizes recommended nutrient and pesticide Best Management Practices (BMPs) for pesticide applicators in the state of Wisconsin to reduce and/or prevent contamination of water resources by pesticides. It also includes an implementation survey of research assessment techniques used to determine management re-

## PATC reference

search issues, and cropland and crop-specific assessment techniques. Groundwater contamination susceptibility in Wisconsin is discussed and indicated on the map on the inside back cover.

*NAL Call No.:* S589.757.W6N9 1989

### **Occupational hazards of pesticide use.**

Turnbull, Graham J.; Sanderson, Derek M.; Bon-sall, John L.  
Philadelphia, Pa. : Taylor & Francis, 1985.  
London xii, 184 p. : ill. ; 24 cm.

*Place of publication:* Pennsylvania. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This book is a compendium of information written by a group of experts addressing all aspects of pesticide exposure. Topics covered are pesticide safety, measurement of occupational exposure to pesticides, exposure and health in developed and developing countries, regulations, trends and future needs. Tables present measurements of dermal and respiratory exposure to liquid or solid formulated pesticides while loading or diluting, while applying upward or downward directed spray or dust using tractor mounted equipment, while using knapsack sprayers or other hand-held equipment indoors or outdoors or during aerial pesticide application.

*NAL Call No.:* RA1270.P402

### **Pacific Northwest plant disease control handbook.**

Koepsell, Paul A.  
Corvallis, Or. : Oregon State University, Extension Service, 1991.

*Place of publication:* Oregon. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This 1991 handbook is a ready reference guide to control measures for the more common and important plant diseases in the Pacific Northwest. This annually revised handbook is written for pesticide applicators, consultants, field and nursery professionals, agricultural growers, and chemical industry representatives. Chemical control recommendations and application methods are suggested

for each specific host and disease. General pesticide information includes safety procedures, bee protection and relative toxicity levels.

*NAL Call No.:* 275.28 Or33 1991

### **PEST [computer file] : Pesticide Education Safety and Training Hypermedia System.**

National Agricultural Library (U.S.).  
[Beltsville, Md.? : U.S. National Agricultural Library?, 1991?].

*Place of publication:* Maryland. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* PEST (Pesticide Education, Safety, and Training) is a hypermedia database developed by the National Agricultural Library (NAL). This reference tool for trainers of pesticide applicators, advanced practitioners and those interested in pesticides, water quality, or pest management provides general information on key pest management concepts and links to a wide variety of resources. Portions of a Wisconsin and a California text can be accessed in non-linear fashion by following three contextual threads -- toxicity, water quality as affected by pesticides or pest management. Resources incorporated into the database include general, toxicity, and water quality bibliographies; an ERS U.S. water contamination map, U.S. Extension Service Regions and EPA Regions maps; connections to SilverPlatter CD-ROM databases: AGRICOLA, PEST-BANK and TOXLINE, and to DIALOG and BRS online database vendors, and ALF (Agricultural Library Forum) NAL's bulletin board.

*NAL Call No.:* aZ699.P4

### **Pest control.**

[Cleveland, Ohio, etc. : Harvest Pub. Co., etc.], 1949-.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* Pest control issues, practical control methods and tips or "how-tos" for service technicians, question and answer columns, government and industry news, research findings, new products



## PATC reference

and services are featured in this journal.

*NAL Call No.:* TX325.P45

**Pest control technology.**  
[Cleveland, Ohio] : Gie, 19??-

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This monthly journal for pest control operators (PCOs), pest control business owners and individuals working in the pest control industry features articles on new techniques and methods to control structural pests, technician training, and industry services, concerns and equipment. Includes newsworthy briefs, product reviews and classified ads.

*NAL Call No.:* SB950.2.A1P4

### **Pest-bank.**

SilverPlatter Information, Inc.  
Boston, Mass. : SilverPlatter, 198?-. computer laser optical disks ; 4 3/4 in. + computer disk (5 1/4 in.) + user's manual + quick reference guide + quick reference card.

*Place of publication:* Massachusetts. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* PEST-BANK is comprised of two databases: Pesticide Product Data and Pesticide Tolerances. Information on over 25,000 federally registered pesticide products including regular registrations and products registered for special local needs in a specific state is contained in the Product Data file. Product names, registration numbers, registrant name and address, active ingredient names and percentages, sites of application, and pests controlled are supplied. Two types of records: chemical records, listing the tolerances established for a chemical on various agricultural commodities (food crops) and commodity records, listing the commodity's tolerances for various chemicals appear in the Pesticide Tolerance database.

*NAL Call No.:* Z699.P4

### **Pesticide & toxic chemical news.**

Washington, D.C. : Food Chemical News, Inc., 1976-.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This journal features weekly reports on pesticides, hazardous wastes, toxic substances and relevant regulation and legislation issues including those pertaining to FIFRA and TSCA/EPCRA.

*NAL Call No.:* SB951.P455

### **Pesticide applicator safety.**

United States. National Park Service.; National Park Foundation; United States. National Park Service.

[Washington, D.C.] : National Park Service, Vegetation and Wildlife Division : Distributed by the National Park Foundation, 1987. 1 videocassette (18 min.) : sd., col. ; 1/2 in.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* The National Park Service "Pesticide Applicator Safety" videotape stresses the importance of protective clothing and equipment and good safety habits to minimize pesticide exposure. Factors affecting exposure; routes of exposure (oral, dermal, and inhalation); pesticide toxicity, LD50, label signal words and precautionary statements; acute and chronic poisoning; and Material Safety Data Sheets are discussed. It demonstrates how to use, clean up and care for protective clothing and equipment as well as how to handle and prevent accidental pesticide exposure.

*NAL Call No.:* Videocassette no.938

### **Pesticide applicators safety manual for irrigation systems : a guide to plan, to apply, and to practice safety procedures in the application of pesticides and to train O & M personnel.**

Engineering and Research Center (U.S.). Water Operations and Maintenance Branch; Engineering and Research Center (U.S.). Applied Sciences

## PATC reference

Branch; Engineering and Research Center (U.S.). Division of Safety. 1st ed.

Denver, Colo. : The Bureau ; Springfield, Va. : Available from the National Technical Information Service, 1988. vii, 131 p. : ill. ; 23 cm. -- A Water resources technical publication.

*Place of publication:* Colorado. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This manual is a guide for planning, applying, and practicing safety procedures in the application of pesticides to augment the training of water operators and maintenance personnel of irrigation systems. While focusing on reclamation projects, this manual covers safety procedures for handling, applying, storing, and disposing of pesticides. Protective clothing, pesticide spills, fires and accidents, injury and poisoning, and first aid recommendations are highlighted. Tables of common pesticides, toxicity categories, and poisoning symptoms are included. Protective devices are illustrated and job safety analysis methods and figures included. A glossary and up-to-date bibliography of laws and regulations sources and technical references complete the manual.

*NAL Call No.:* SB952.86.P47 1988

### The pesticide book.

Ware, George Whitaker 1927-.

3rd ed.

Fresno, Calif. : Thomson, c1989. x, 340 p. : ill. ; 28 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* Written for students of agriculture, ecology, toxicology, integrated pest management (IPM), and plant protection, this book explains what pesticides are and discusses the legality, toxicity and hazards of pesticide use, and the safe handling and storage practices necessary to protect the applicator and the environment. Individual pesticides are used to illustrate chemical properties, usage and application, ecological and environment interactions. Biorationals--pesticides of the future, are included in this 3rd edition reference guide/text book that covers the chemicals used in insecticides, molluscicides, nematocides, rodenticides, avicides, piscicides, repellents, herbicides,

plant growth regulators, defoliants, dessicants, fungicides, bactericides and algicides.

*NAL Call No.:* SB951.W29 1989

### Pesticide fact handbook.

United States. Environmental Protection Agency. Park Ridge, N.J. : Noyes, c1988. 2 v. ; 25 cm.

*Place of publication:* New Jersey. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This handbook is a compilation of 130 Pesticide Fact Sheets issued by the US EPA through December, 1987, originally announced and printed in the Federal Registry. The Fact Sheets cover more than 500 trade-name pesticides, describe the chemical use patterns, formulations, scientific findings, agency regulatory positions/rationale and summarize the major data gaps. These Fact Sheets can be accessed by a table of contents that is organized alphabetically. A glossary and numerical list of Pesticide Fact Sheets, indexes of common generic names and trade names can be found at the end of the handbook.

*NAL Call No.:* SB951.P39

### Pesticide label directory.

Pennwalt Corporation. Agchem Division.

[Philadelphia, Pa. : Pennwalt Corp., Agchem Division, 198-]. 1 v. (loose-leaf) ; 30 cm.

*Place of publication:* Pennsylvania. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This looseleaf directory contains specimen labels and registration information on 18 PENNWALT Corporation pesticide products indexed by trade name.

*NAL Call No.:* SB959.P46

### Pesticide safety : reducing skin exposure through protective clothing.

Obendorrf, S. K.

Ithaca, N.Y. : New York State College of Human Ecology, Cornell University, Spring 1989. -- Human Ecology Forum, Spring 1989. v. 17 (3) p.



12-15.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This article discusses two recent studies conducted in Cornell's Department of Textiles and Apparel on protective clothing to reduce human pesticide poisoning through skin absorption. Fabric layering and pesticide transfer from clothing to skin are examined. Polypropylene material has been found to resist pesticide penetration as do clothing items that have a starched finish.

*NAL Call No.:* HV1.H8 v.17, no.3

### **Pesticide waste disposal technology.**

Bridges, James S.; Dempsey, Clyde R.  
Park Ridge, N.J. : Noyes Data Corp, c1988. xiv, 331 p. : ill. ; 26 cm. -- Pollution technology review, ; no. 148.

*Place of publication:* New Jersey. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This resource and reference book addresses pesticide waste disposal; its problems, issues, and policies from federal, state and local perspectives and from an applicator's perspective. The book attempts to define practical solutions to pesticide users' disposal problems. The information in this book is based on three U.S. E.P.A. conferences. Topics covered include: pesticide degradation, disposal technology options, removal of pesticides from wastewater, land disposal, incineration, and biological and chemical treatments of pesticides. Aspects of transportation of pesticide waste and waste storage and handling are included.

*NAL Call No.:* TD899.P37P48

### **Pesticides and groundwater quality : issues and problems in four states.**

Holden, Patrick W.  
National Research Council (U.S.). Board on Agriculture.  
Washington, D.C. : National Academy Press, 1986. x, 124 p. : ill. ; 23 cm.

*Place of publication:* District of Columbia. *Language:* English.

*Language:* English.

*Descriptors:* PATC reference

*Abstract:* This book is a resource for scientists, policy makers, farmers and other pesticide users interested in the relationship of agriculture, especially pesticide use to groundwater quality. It contains quantitative data and personal views of experts; four state (California, New York, Wisconsin and Florida) case studies; summaries of federal agency and private industry activities; and reviews relevant to scientific, technological, managerial and regulatory concerns. It emphasizes ways to mitigate pesticide/groundwater quality problems.

*NAL Call No.:* TD427.P35H62

### **Pesticides and related chemicals covered under the OSHA hazard communication standard.**

Hamilton, George C., 1957-.  
New Brunswick, N.J. : Rutgers Cooperative Extension, N.J. Agricultural Experiment Station, Rutgers, the State University of New Jersey, [1988?].

*Place of publication:* New Jersey. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This New Jersey Agricultural Experiment Station fact sheet inventories pesticides and related chemicals that are regulated by the OSHA Hazard Communication Standard. The CAS#, chemical name and trade or common name, and the appropriate regulation are referenced in the chart.

*NAL Call No.:* S544.3.N5F7 no.351

### **Plant diseases : their development and control.**

Lamey, H. Arthur.  
Rev.  
Fargo, N.D. : NDSU Extension Service, North Dakota State University, [1987].

*Place of publication:* North Dakota. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This North Dakota publication presents

## PATC reference

the basic concepts and principles of plant diseases and their control for commercial growers, commercial pesticide applicators and gardeners. Emphasis is placed on disease infection caused by bacteria, fungi, nematodes, mycoplasmas and viruses that are disseminated by wind, insects, water, man, animals and birds. Control strategies for exclusion and eradication include sanitation, host resistance, cultural protection and chemical applications of both protective and systemic fungicides.

*NAL Call No.:* S544.3.N9N6 no.31 1987

### **Programmed instructional materials for enhancing pest management teaching.**

Barfield, C. S.

Oxford ; New York, N.Y. : Pergamon Press, 1987.  
-- Insect science and its application, 1987. v. 8 (4,5,6) p. 955-959.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* Individualized instruction has been demonstrated to result in higher student comprehension and retention. There is a need in pest management training programmes for better quality visual materials which may take many forms. This paper reviews the development of a cadre of slide/text, slide, slide/tape, and computer aided pest management instructional materials currently in use at the University of Florida (USA) and the Pan American School of Agriculture (Honduras, Central America). The teaching philosophy under which they were developed, and problems with the media and their usage, are discussed.

*NAL Call No.:* QL461.I57 v.8, no.4,5,6

### **Protecting water quality : best management practices.**

Ciba-Geigy. Agricultural Division. National version.

Greensboro, N.C. : The Division, c1990. 1 videocassette (19 min.) : sd., col. ; 1/2 in. + 1 booklet (16 p.).

*Place of publication:* North Carolina. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* Best management practices (both cultural, non-chemical practices and proper pesticide application, handling and disposal practices) for protecting water quality and preventing groundwater contamination are examined in this videotape. Factors that influence water quality including soil type, pesticide properties (solubility, mobility, and persistence), leaching or non-point source contamination and point source contamination are discussed. Proper equipment calibration, triple rinsing, pressure washing and disposal of pesticide containers, record keeping, and developing an emergency plan are also covered.

*NAL Call No.:* Videocassette no.942

### **Protective apparel research.**

DeJone, J. O.; Easter, E. P.; Leonas, K. K.; King, R. M.

Washington, D.C. : The Society, 1985. -- ACS Symposium Series, American Chemical Society, 1985. (273) p. 403-411.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* Recent studies on decontamination, penetration and protective apparel selections by agricultural workers have resulted in the following conclusions: (1) pesticide decontamination is similar to other soil removal studies, with oil based pesticides being more difficult to remove from synthetic fabrics; (2) functional finishes have a significant effect on the penetration of pesticides through fabrics; (3) cost has greater influence over user preferences for protective apparel than protection or thermal characteristics. Captan removal was better on synthetic fabrics than cotton where particles were entrapped in the weave. Guthion (oil based) was more difficult to remove from oleophilic synthetic fabrics. Both pesticides had increased removal with increased wash temperatures. Preliminary studies show fluorocarbon finishes may impede penetration of pesticides. Successful protective apparel must incorporate cost restraints while providing both protection and comfort.

*NAL Call No.:* QD1.A45 no. 273



## PATC reference

### **Protective clothing and its significance to the pesticide user.**

Moraski, R. V.

Washington, D.C. : The Society, 1985. -- ACS Symposium Series, American Chemical Society, 1985. (273) p. 395-402.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* Until recent years, research devoted to the pesticide exposure of agricultural workers was essentially nonexistent. It has been established that a major source of exposure to toxic chemicals is the use of such chemicals in agricultural production. In general, applicators and mixer/loaders have the highest exposure risk. Many studies have shown the exposure to applicators' skin to be well over 90% of their total exposure. The only significant type of barrier available to applicators to reduce dermal contact and hence exposure is protective clothing. Current chemical protective clothing technology clearly demonstrates the lack of knowledge and sound data to permit accurate and appropriate regulatory decisions in regard to specific personal protective devices for various exposure scenarios. Significant work on the effectiveness of personal protective devices in reducing pesticide exposure has recently been initiated. This paper reviews the current state-of-the-art knowledge of protective clothing technology and reviews the research being conducted in an effort to develop protective clothing recommendations with regard to pesticide users.

*NAL Call No.:* QD1.A45 no. 273

### **The Pyrethroid insecticides.**

Leahey, John P.

Philadelphia, Pa. : Taylor & Francis, 1985.

*Place of publication:* Pennsylvania. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This book provides an historical perspective on a class of insecticides known as pyrethroids and information on their mode of action on insects, their toxicity to mammals, their effects on non-target terrestrial and aquatic organisms, their

metabolism and environmental degradation, and their agricultural, public health and animal usage. References follow each chapter.

*NAL Call No.:* SB952.P88P97

### **Recognition and management of pesticide poisonings.**

Morgan, Donald P.

United States. Environmental Protection Agency. 4th ed.

[Washington, D.C.] : U.S. Environmental Protection Agency : For sale by the Supt. of Docs., U.S. G.P.O., 1989. x, 207 p. : ill. ; 25 cm.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This EPA manual has been prepared to provide health professionals with updated information on the health hazards of currently used pesticides and recommendations for emergency management of poisonings and injuries caused by them. The general chemical structure, commercial products, toxicology, symptoms, signs and treatment of poisoning for different types of pesticides are discussed. It includes an index to pesticide poisonings by symptoms and signs and an index of chemical and product names for quick reference.

*NAL Call No.:* RA1270.P4M6 1989

### **Spanish in the field : practical Spanish for ranchers, farmers, or vinters.**

Clough, Carmen Pella; Comegys, James C.; Sadtler, James K. M.

2nd printing, rev.

Fresno, Calif. : Panorama West Books, 1987, c1983. viii, 248 p. : ill. ; 26 cm. + 1 dictionary + 4 sound cassettes.

*Place of publication:* California. *Language:* English and Spanish.

*Descriptors:* PATC reference

*Abstract:* This training program designed to teach users the Spanish phrases and vocabulary that farmworkers, ranchers, and vinters use in the field consists of a book, four pronunciation cassette tapes and a supplemental dictionary of over 3,000

## PATC reference

words. Lessons are arranged by topics and practical situations into 14 units in addition to the preliminary unit. Includes units on machinery and parts and safety rules for operating and working with machinery, health problems and accidents, chemical spraying, grapes, cotton, fruit trees, row crops, produce, grains and cereals. Contains exercises and graphics.

*NAL Call No.:* PC4120.F37C55 1987

### **The standard pesticide user's guide.**

Bohmont, Bert L.

Rev. and enl.

Englewood Cliffs, N.J. : Prentice hall, c1990. xii, 498 p. : ill. ; 25 cm.

*Place of publication:* New Jersey. *Language:* English.

*Descriptors:* PATC general public and homeowners; PATC pesticide dealers and distributors; PATC reference

*Abstract:* This manual contains information on: pesticides; insects, plant disease agents, vertebrate pests, and weeds; pesticide laws, liability, and record keeping; pesticide labels; safety; and environmental considerations. Additionally, application equipment and calibration; transportation, storage, decontamination and disposal; and integrated pest management (IPM) are discussed. Contains a glossary, pesticide information telephone numbers, and an index of common pesticide classifications, names and trade names. For pesticide applicators (particularly commercial applicators), dealers, consultants, golf course superintendents, grounds maintenance supervisors, tree nursery managers and the general public.

*NAL Call No.:* SB951.B584 1990

### **Suit up for pesticide safety.**

Coffman, Charlotte.

Batavia, N.Y. : Agricultural Division of Cooperative Extension, Four Western Plain Counties, N.Y. State, 1989. -- Ag impact ; v. 16, no. 5.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This brief article summarizes the research on the protective qualities of clothing materials and

pesticide resistant fabrics for the prevention of pesticide poisoning. Methods of making materials more resistant to pesticide penetration are suggested.

*NAL Call No.:* S544.3.N7A45 v.16, no.5

### **Supervisor's development program : safety inspections.**

National Safety Council; Sandler Institutional Films.

[Chicago, Ill.?] : The Council, c1990. 1 videocassette (11 min.) : sd., col. ; 1/2 in. + 1 leader's guide.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* The importance of safety inspections in a safety management program to recognize, understand and control hazards is stressed in this National Safety Council videotape and accompanying Supervisors' Development Program Leader's Guide. Three types of inspections: continuous; formal, planned in-house; and formal, planned outside inspections are discussed.

*NAL Call No.:* Videocassette no.941

### **Tree, turf and ornamental pesticide guide.**

Thomson, W. T.

1990 revision.

Fresno, Calif. : Thomson Publications, c1990. 198 p. ; 23 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This ready reference book is designed for pesticide applicators who treat pests of trees, turf, and ornamentals. The book is divided into four major sections: Insecticides, Herbicides, Fungicides, and Growth Regulators. Each section is subdivided and cross referenced to the plant a pesticide is registered to treat. Pesticides are listed alphabetically showing the particular pests they affect or control. A glossary contains formulation, conversion and calibration charts. Names and addresses of world-wide manufacturers of basic chemicals used in pesticides are supplied.



## PATC reference

*NAL Call No.:* SB951.T5 1990

### **Truman's scientific guide to pest control operations.**

Bennett, Gary W.; Owens, John M.; Corrigan, Robert M.; Truman, Lee C.  
4th ed.

Duluth, Minn. : Purdue University, c1988. 495 p., [14] p. of plates : ill. (some col.) ; 29 cm.

*Place of publication:* Minnesota. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* Written for pest control industry owners, supervisors, service technicians and sales personnel, this guide examines the technical aspects of pest control. It is designed to serve as: 1) lessons for students enrolled in the Pest Control Technology Purdue Correspondence Course, 2) a ready reference for pest control operators (PCOs) employed to handle structural including urban and industrial pest control problems and 3) a reference for persons preparing for commercial pesticide applicator EPA/state certification. Basic scientific information and guidelines for effective and practical pest control problem solutions are combined in this volume.

*NAL Call No.:* SB950.T9 1988

### **Turfgrass insects of the United States and Canada.**

Tashiro, Haruo 1917-

Ithaca, N.Y. : Comstock Pub. Associates, 1987. xiv, 391 p., 64 p. of plates : ill. (some col.) ; 25 cm.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This comprehensive text/reference book on turfgrass pests covers all insects and other arthropods that are destructive to turfgrass in the United States, including Hawaii but excluding Alaska and southern Canada. Full-page color plates depict life stages of most turfgrass insects to aid in identification and help illustrate the text description of the insects' life cycle and habits. This book contains distribution maps, life history charts, population survey techniques and the principles

and strategies of insect control should be useful to pesticide applicators as well as professional entomologists and laymen. Glossary.

*NAL Call No.:* SB608.T87T82

### **Using advanced instructional technology to enhance pesticide applicator training programs.**

Weaver, Michael J.

[S.l. : s.n.], 1991. p. 16-23 ; 22 x 28 cm.

*Place of publication:* United States (state is not known). *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This article discusses University Extension training programs for pesticide applicators. The authors suggest incorporating new technologies, as has been done in Virginia, to enhance pesticide applicator training program impact. Interactive video and satellite-broadcast training programs and multimedia demonstration kits developed in Virginia are described in detail.

*NAL Call No.:* SB950.73.U5U8

### **Weed control manual.**

Willoughby, Ohio : Meister, 1976-.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* This annually updated manual is designed to aid farmers in herbicide selection. Information is grouped by crop and appears in charts used throughout this reference. Includes three indexes: Crop Index, Herbicide Index which cross references common and trade names, and Weed Index. Includes color photos of many of the most common weeds, and directories of herbicide manufacturers and sales and technical service.

*NAL Call No.:* SB951.4.W4

### **Worker exposure and protective clothing performance during manual seed treatment with lindane.**

Fenske, R. A.; Blacker, A. M.; Hamburger, S. J.; Simon, G. S.

New York, N.Y. : Springer-Verlag, Mar/Apr 1990.

## PATC reference

-- Archives of Environmental Contamination and Toxicology, Mar/Apr 1990. v. 19 (2) p.190-196.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC reference

*Abstract:* Twelve workers were monitored for exposure to 18.75% lindane dust formulation during manual wheat seed treatment. The mean total actual exposure rate was 32.89 mg/hr. Potential respiratory exposure averaged 0.0057 mg/hr (<1% of the total), with seven workers receiving no measurable respiratory exposures. Mean hand exposure was 1.84 mg/hr (5.6%). Dermal exposure to the head and neck averaged 4.28 mg/hr (13%). Exposure measured beneath the workshirt and workpants averaged 26.8 mg/hr (81.4%). The workshirt and workpants provided 3.4-fold and 11.5-fold protection factors, respectively. Forearm exposure measured beneath the workshirt represented more than 40% of total actual exposure. The small contribution of hand exposure to total dermal exposure was consistent with the use of chemical-resistant gloves by all workers. Total dermal exposure could be reduced substantially by wearing coveralls over regular work clothing, and by the use of gauntlet-type gloves. It is recommended that worker education concerning personal hygiene and the appropriate use of protection clothing be made essential components of exposure reduction programs.

*NAL Call No.:* TD172.A7 v.19, no.2



## PATC regulatory pest control

### California's new pesticide regulations and you : a guide to what they say, what your rights are, what you can do.

California. Resources Agency.

[Sacramento, Calif.?] : Resources Agency, State of California, 1982. ii, 30 p. : ill. ; 22 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC regulatory pest control; PATC general public and homeowners

*Abstract:* This pamphlet explains to the general public changes to the California regulatory pesticide system enacted in mid-1982. It only covers restricted pesticides used for agricultural purposes. Minimizing environmental impact (mitigation) of pesticides by first using a feasible alternative control measure (IPM approach) to restricted pesticides is advocated. The pamphlet informs the general public how to recognize and report misuse of restricted pesticides. It contains a glossary and a list of restricted pesticides.

*NAL Call No.:* KFC641.5.P63C3

### Noxious weeds : category 9A.

Kuhlman, Dennis K.

Kansas State University. Cooperative Extension Service. Rev.

Manhattan, Kan. : Kansas State University, Cooperative Extension Service, [1987]. 28 p. : ill. ; 28 cm.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC regulatory pest control

*Abstract:* This category applies only to the Kansas County Noxious Weed Department. The commercial applicator study guide includes information on the Kansas Noxious Weed Law and the Kansas Pesticide Law, identifying characteristics and management of noxious weeds, herbicide selection, application and environmental hazards, sprayer equipment and calibration and safety. It contains illustrations of weeds and multiple choice study questions.

*NAL Call No.:* SB612.K2C37 1987

### Pesticide applicator training : [regulatory pest control].

Purdue University.

[West Lafayette, Ind.] : Purdue University, [1988?]. 1 v. (various pagings) : ill. (some col.) ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC fumigation; PATC regulatory pest control

*Abstract:* The training manual on regulatory pest control examines regulated pests and quarantines and the fumigants, herbicides, and insecticides used in their control. Major topics include controlling insect pests and diseases on ornamentals, weeds, nematodes, common household pests, blackbirds, pigeons, mice and rats. Detailed information on fumigation (i.e. space and structural), gas masks, protective clothing, safety practices, toxicology, sprayer equipment and calibration is presented.

*NAL Call No.:* SB951.P4631

### Regulatory pest control.

Conley, J. R.

[Rev. May, 1981].

Athens, Ga. : Cooperative Extension Service, University of Georgia, College of Agriculture, [1981].

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC regulatory pest control

*Abstract:* This manual is for pesticide applicators seeking certification in regulatory pest control in the state of Georgia. Integrated pest management systems are recommended using both chemical and nonchemical methods to prevent, suppress or eradicate pest infestations. Fumigation, aerial application and vat or spray-dipping of livestock are covered. The impact of pesticide selection on the environment, domestic animals, wildlife, agriculture and recreation are included.

*NAL Call No.:* 275.29 G29B no.847 1981

### Regulatory pest control : category nine : supplemental training material for applicator certification.

United States. Environmental Protection Agency. [Washington, D.C.? : Program Support Branch,

## PATC regulatory pest control

Operations Division, Office of Pesticide Programs,  
U.S. Environmental Protection Agency?, 1977?].  
27 p. : ill. ; 28 cm.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC regulatory pest control

*Abstract:* This guide is designed to assist individuals seeking certification in regulatory pest control to meet this category's specific national standards. It provides information on characteristics of regulated pests, regulatory pest control strategies and methods and their environmental impact, related laws and regulations, safety considerations and some examples of Federal-State cooperative regulatory pest control programs.

*NAL Call No.:* SB950.2.A1R43

### Van Waters & Rogers Pest control library.

Ehmann, Norman; Cherubini, Paul.  
San Mateo, Calif. : Van Waters & Rogers, [197?-].  
v. : ill. ; 28 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC wood destroying organisms; PATC regulatory pest control; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* Designed for pest control business owners, managers, and service technicians, these reference manuals provide information on the biology and control of common structural pests. Volume I Structural Pest Control Act and Volume XI Pesticides and Pesticide Safety contain valuable information for all pest controllers. True and false and/or multiple choice quizzes with answers reinforce material covered in each manual. A few manuals have glossaries.

*NAL Call No.:* SB950.V3



## PATC right-of-way pest control

### PATC right-of-way pest control

#### **Aerial application handbook for applicators.**

Kuhlman, Dennis K.

Kansas State University. Cooperative Extension Service.

Manhattan, Kan. : Cooperative Extension Service, Kansas State University, 1981. 72, [1] p. : ill. ; 28 cm. -- MF (Kansas State University. Extension Service) ; 622.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest; PATC right-of-way pest control; PATC industrial pest control; PATC forest pest control

*Abstract:* Intended for aerial applicators, this handbook provides the keys to efficient and effective use of plant protection products by aerial application. Major topics include calibration, drift prevention, Integrated Pest Management (IPM) implementation, and medical aspects of pesticides. The appendix contains application and calibration formulas, and toxicity charts for fungicides, herbicides, and insecticides.

*NAL Call No.:* S544.3.K2K3 no.622

#### **Diagnosing ornamental plant diseases : an illustrated handbook.**

Keim, Randolph; Humphrey, Wesley A.

University of California (System). Division of Agriculture and Natural Resources; University of California (System). Cooperative Extension.

Oakland, Calif. : Division of Agriculture and Natural Resources, University of California, c1987. iv, 32 p. : col. ill. ; 22 x 28 cm. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 21446.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC right-of-way pest control

*Abstract:* Many color photographs illustrate ornamental plant diseases. Indexed by disease and by plant species. 32 pages. Helpful to growers, applicators, and advisors.

*NAL Call No.:* SB608.O7K4

#### **Growers weed identification handbook.**

University of California (System). Division of Agricultural Sciences.

[Berkeley, Calif.?] : Division of Agricultural Sciences, University of California, [197?-]. 1 v. : col. ill. ; 30 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC right-of-way pest control

*Abstract:* Color photographs and descriptions of common weeds found in agricultural crops are provided. Includes photos of seedlings, mature plants, and flowers and fruit. Intended for growers, advisors, and applicators. Loose-leaf format permits easy updating.

*NAL Call No.:* SB612.C2G7

#### **Illinois pest control handbook.**

University of Illinois at Urbana-Champaign. Cooperative Extension Service; Illinois. Natural History Survey Division.

[Urbana, Ill.] : Cooperative Extension Service, University of Illinois at Urbana-Champaign, 1986-. v. : ill. ; 28 cm.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC animal agricultural pest; PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control

*Abstract:* The Illinois Pest Control Handbook, a compilation of detailed information on pests (insects, plants, animals, fungi, and nematodes) and pesticides (herbicides, insecticides, fungicides, nematicides and restricted-use pesticides), informs the applicator how to develop strategies for integrated pest management. It covers pests of field crops and livestock, vegetable crops, ornamentals and turf, homes, yards, and gardens. Many tables cross reference pest problems with recommended pest management guidelines which include control

## PATC right-of-way pest control

methods instructions, pesticides and treatments. The handbook is revised annually.

*NAL Call No.:* SB950.2.I3I46

### **Industrial, commercial, municipal vegetation management : pesticide applicator training manual, category 6D.**

Gucciardo, Linda S.; Fish, Gary D.

University of Maine at Orono. Cooperative Extension Service.

[Orono, Me.] : University of Maine, Cooperative Extension, 1989. 1 v. (loose-leaf) : ill. ; 28 cm.

*Place of publication:* Maine. *Language:* English.

*Descriptors:* PATC right-of-way pest control

*Abstract:* Designed to be used with the Maine Pesticide Education (Core) Manual, this right-of-way industrial/commercial/municipal vegetation management training manual is considered preparation for the certification and licensing of pesticide applicator operators by the Maine Board of Pesticide Control. Included in this manual are suggested vegetation management plans, programs and strategies. Appendices include: (1) identification of right-of-way plants, (2) sample calibration logs, (3) charts identifying herbicides, target plants, application methods, brand names, formulations, toxicity class and other hazard, and (4) emergency poison control and other phone numbers are given.

*NAL Call No.:* SB612.M2I5

### **Industrial weed control : category 7C.**

Nilson, E. B.

Kansas State University. Cooperative Extension Service. Rev.

Manhattan, Kan. : Kansas State University, Cooperative Extension Service, 1988. 20 p. : ill. ; 28 cm.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC right-of-way pest control

*Abstract:* This commercial applicator manual is a study guide for the Kansas industrial weed control certification examination. Industrial areas include industrial sites, utility transmission stations, warehouses and buildings, petroleum tank farms, pumping installations, storage work areas, airports,

lumberyards and along fence lines. This guide provides information on weeds and woody plants, herbicide product names and manufacturers, proper herbicide use, toxicity and environmental hazards. It contains multiple choice study questions, illustrations, tables and definitions of herbicide terms.

*NAL Call No.:* SB612.K2N5 1988

### **Insect pest management guidelines for California landscape ornamentals.**

Koehler, Carlton S.

University of California (System). Cooperative Extension; University of California (System). Division of Agriculture and Natural Resources.

Oakland, Calif. : Cooperative Extension : [University of California, Division of Agriculture and Natural Resources, c1987. -- Publication (University of California (System). Division of Agriculture and Natural Resources) ; 3317.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC ornamental, turf pest control; PATC right-of-way pest control

*Abstract:* This manual includes information on diagnosing ornamental plant problems caused by insects, sampling and monitoring landscape pests, determining when control action should be taken, and implementing methods of pest management including biological control, cultural control, physical control, and insecticidal control. It contains a larger table of pest management information by plant species. Suitable for growers (nursery), applicators, and advisors.

*NAL Call No.:* SB608.O7K64

### **Pest management principles for the commercial applicator : right-of-way pest control.**

Doll, Jerry D.; Neher, Nick; Flashinski, Roger. 2nd ed.

Madison, Wis. : University of Wisconsin-Extension, 1988. vi, 159 p. : ill., forms ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC right-of-way pest control



## PATC right-of-way pest control

*Abstract:* Training manual for commercial pesticide applicators in the right-of-way pest control category. Major topics: classification and types of weeds; application methods; principles of vegetation management; toxicity of pesticides; protecting human health and the environment; disposal; and label information.

*NAL Call No.:* SB612.W5P47 1988

### **Pest management principles for the commercial applicator : right-of-way pest control study guide.**

Doll, Jerry D.; Neher, Nick; Flashinski, Roger.  
2nd ed.

Madison, Wis. : University of Wisconsin-Extension, 1988. 27 p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC right-of-way pest control

*Abstract:* This study guide accompanies "Pest management principles for the commercial applicator : right-of-way pest control." It contains multiple choice questions and answers on a variety of subjects including laws and regulations, formulations, safety, application principles, and resistance to pesticides.

*NAL Call No.:* SB612.W5P472 1988

### **Pest management principles for the rights-of-way applicator.**

Minnesota Extension Service.

St. Paul, Minn. : Minnesota Extension Service, University of Minnesota, [1991]. 1 v. (various pagings) : ill. ; 28 cm.

*Place of publication:* Minnesota. *Language:* English.

*Descriptors:* PATC right-of-way pest control

*Abstract:* This Rights-of-Way manual is a guide for the Minnesota commercial agricultural pesticide applicator designed to be used as a training aid by those who wish to become certified to apply or supervise the application of "restricted-use" pesticides. The manual discusses pesticides and their affects on the environment, safety measures and precautions including protective clothing, drift pre-

vention and proper disposal methods. Pests are classified as weeds, insects, and diseases. Control treatments specific for each class are given. Application equipment and calibration formulas are discussed. A study guide with questions and answers, sample labels, weed and brush control survey sheets, pesticide classification and properties charts, and a glossary are furnished.

*NAL Call No.:* SB950.2.M6P38

### **Pesticide application and safety training study guide : industrial & right-of-way weed control.**

Colorado. Division of Plant Industry; Colorado State University. Cooperative Extension Service. Rev. 10-90.

Denver Colo. : Colorado Dept. of Agriculture, Division of Plant Industry, 1990. [ii], 42 p. : ill. ; 28 cm.

*Place of publication:* Colorado. *Language:* English.

*Descriptors:* PATC right-of-way pest control; PATC industrial pest control

*Abstract:* This Colorado study guide/manual contains the educational information needed by the commercial pesticide applicator to pass the written state licensing examination in the industrial and right-of-way weed control category. The weeds commonly treated, the herbicide actions and application, and herbicide application equipment are discussed. Special treatments described include treatment on vacant lots and treatment under paving. Integrated pest management principles and the biological control of weeds are discussed. Safety strategies, first aid treatments and environmental concerns are addressed. Calibration tables and formulas are given. Colorado State Extension Service Offices' addresses and telephone numbers and the Rocky Mountain Poison Control Center toll free telephone number are listed. A glossary is included.

*NAL Call No.:* SB951.4.P47 b 1990

### **Pesticide applicator training : [category 7].**

Purdue University.

[West Lafayette, Ind.] : Purdue University, [1988-]. v. : ill. (some col.), maps ; 30 cm.

## PATC right-of-way pest control

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC right-of-way pest control; PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control; PATC fumigation

*Abstract:* Five manuals cover the six divisions of Pesticide Applicator Training Category 7. Four manuals prepare commercial pesticide applicators for certification. One manual (7bRT) prepares wood destroying organism technicians for registration. This broad category encompasses the identification and control of industrial, institutional, and health related pests, wood destroying pests, stored food, and common household pests. Pesticide selection, labels, safety, protective equipment, application, calibration, fumigation, toxicity and environmental protection are discussed.

*NAL Call No.:* SB951.P4629

### **Pesticide applicator training : [right-of-way pest control].**

Purdue University.

West Lafayette, Ind. : Purdue University, [198-?]. 1 v. (various pagings) : ill. (some col.) ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC right-of-way pest control

*Abstract:* The Right-of-Way Pest Control manual is designed as a study guide for certification. It provides information on weed and tree identification, weed biology, selective and nonselective herbicides and their correct application, specialized right-of-way spraying equipment, and equipment calibration. Controlling pesticide spray drift is a crucial topic. Calibration problems and answers are included.

*NAL Call No.:* SB951.P4628

### **Pesticide applicator training manual, category 6 : right-of-way.**

Pendleton, R. F.; Gardner, Ronald D.; Smith, W. G.

Cornell University. Cooperative Extension. 1st rev. Oct. 1985.

Ithaca, N.Y. : Cooperative Extension, Chemicals-

Pesticides Program, New York State College of Agriculture and Life Sciences at Cornell University, [1985]. viii, 138 p. : ill. ; 28 cm.

*Place of publication:* New York. *Language:* English.

*Descriptors:* PATC right-of-way pest control

*Abstract:* This self-study training manual is designed to be used with the Northeast or EPA-USDA core training manual by the commercial pesticide applicators who will be taking a certification or recertification examination in the Right-of-Way category. Highway, railroad, utility and pipeline vegetation management, control program planning, and ground and aerial pesticide treatments, techniques and equipment are discussed in detail. Hazards of pesticide use and problems in right-of-way pesticide application are addressed. Practice study questions accompany this manual.

*NAL Call No.:* SB950.2.N7P37 1985

### **Pesticide equipment.**

Gardisser, Dennis R.

University of Arkansas, Fayetteville. Cooperative Extension Service.

[Fayetteville, Ark.?] : Cooperative Extension Service, University of Arkansas, [198-?]. 7 p. ; 28 cm.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC right-of-way pest control; PATC aerial pest control; PATC demonstration, research

*Abstract:* The purpose of the Arkansas pesticide equipment notes is to guide highway department pesticide applicators in the selection of appropriate herbicide equipment and sprayer components and the proper calibration of sprayers. This information is also useful for growers, aerial pesticide applicators and individuals who demonstrate the use of pesticides.

*NAL Call No.:* S694.G3

### **Protecting our groundwater : a grower's guide.**

Park Ridge, Ill. : American Farm Bureau Federation, [1987?]. 8 p. : ill. ; 28 cm.

*Place of publication:* Illinois. *Language:* English.



## PATC right-of-way pest control

*Descriptors:* PATC plant agricultural pest; PATC right-of-way pest control; PATC forest pest control; PATC aerial pest control; PATC demonstration, research

*Abstract:* This guide discusses the five major factors growers need to consider when applying agricultural chemicals to reduce the potential for groundwater contamination. These include following proper pesticide application practices, assessing surface water, knowing the pesticide's characteristics and potential for mobility, the soil type in the area of application, and the location of groundwater and the type of geological formations above it.

*NAL Call No.:* TD403.P76

### **Railroad vegetation management : pesticide applicator training manual, category 6C.**

Gucciardo, Linda S.; Fish, Gary D.  
University of Maine at Orono. Cooperative Extension Service.  
[Orono, Me.] : University of Maine, Cooperative Extension, 1989. 1 v. (loose-leaf) : ill. ; 28 cm.

*Place of publication:* Maine. *Language:* English.

*Descriptors:* PATC right-of-way pest control

*Abstract:* This supplemental pesticide applicator training manual is developed by the University of Maine to compliment the Maine Pesticide Education (Core) Manual for use in the management and control of right-of-way vegetation. Useful calibration formulas and methods of determining quantities of pesticides and herbicides as well as strategies for control programs of railroad vegetation management are covered. Appendix A contains illustrated plant identification methods and Appendix B contains sample calibration logs. Emergency Maine pesticide telephone numbers are included.

*NAL Call No.:* SB612.M2R3

### **Recertification manual for commercial pesticide applicators : right-of-way pest control, category 6.**

Landis, Joy Neumann.  
East Lansing, Mich. : Cooperative Extension Ser-

vice, Michigan State University, [1990]. 46 p. ; 28 cm. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; E-2170.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC right-of-way pest control; PATC recertification

*Abstract:* This manual is for commercial pesticide applicators applying for recertification in the state of Michigan. Seven general chapters about pests and pesticides are followed by an integrated examination of weeds, diseases and insects common in right-of-way areas in the state of Michigan. Both state and federal laws and regulations are discussed. Self-study questions follow each chapter. Emergency procedure chart contains telephone numbers for poison control centers.

*NAL Call No.:* 275.29 M58B no.2170

### **Recommended chemicals for weed and brush control.**

Baldwin, Ford L.

[Rev. ed.].

[Little Rock, Ark.?] : Cooperative Extension Service, University of Arkansas, and U.S. Dept. of Agriculture, and county governments cooperating, 1990. 104 p. : ill. ; 23 x 31 cm. -- MP (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 44.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC forest pest control; PATC aerial pest control; PATC demonstration, research

*Abstract:* This chart formatted publication summarizes 1990 recommendations for use of herbicides for weed and brush control in Arkansas conforming with federal and state regulations. Contains trade name cross reference chart; chart of common, chemical, and trade name, formulation and manufacturer; charts indicating crop, situation, active chemical and formulated material per broadcast acre, weeds controlled, time and method of application and precautions; herbicide response rating tables. Supporting text on herbicide application guidelines and spray additives. Highlights trial or limited use herbicides.

## PATC right-of-way pest control

NAL Call No.: 275.29 Ar4Mi no.44 1990

### **Recommended chemicals for weed and brush control.**

Baldwin, Ford L.; Boyd, John W. 1949-; Tripp, Timothy.

University of Arkansas, Fayetteville. Cooperative Extension Service; University of Arkansas, Fayetteville. Agricultural Experiment Station; United States. Dept. of Agriculture. [Rev. ed.].

[Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, and U.S. Dept. of Agriculture, and county governments cooperating, [1988]. 98 p. : ill. ; 23 x 31 cm. -- MP (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 44.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC forest pest control; PATC aerial pest control; PATC demonstration, research

*Abstract:* This chart formatted publication summarizes 1988 recommendations for use of herbicides for weed and brush control in Arkansas conforming with federal and state regulations. Contains trade name cross reference chart; chart of common, chemical, and trade name, formulation and manufacturer; charts indicating crop, situation, active chemical and formulated material per broadcast acre, weeds controlled, time and method of application and precautions; herbicide response rating tables. Supporting text on herbicide application guidelines and spray additives. Highlights trial or limited use herbicides.

NAL Call No.: 275.29 Ar4Mi no.44 1988

### **Right-of-way : commercial and noncommercial applicator training manual.**

Nesheim, O. Norman.  
Rev.

[Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, 1984. 72 p. : ill., form ; 28 cm.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC right-of-way pest control

*Abstract:* This training manual includes material on weed biology, methods of control, equipment and calibration, and record keeping. A glossary of terms and specific information is provided.

NAL Call No.: SB612.O5R5 1984

### **Right-of-way pest control.**

Clemson University. Cooperative Extension Service.

Clemson, S.C. : Clemson University, Cooperative Extension Service, 1977. i, 13, [1] leaves : ill. ; 28 cm. -- Pesticide training series ; no. 6.

*Place of publication:* South Carolina. *Language:* English.

*Descriptors:* PATC commercial core training; PATC right-of-way pest control

*Abstract:* Topics covered in this right-of-way pest control certification preparation guide for commercial applicators include types of weeds (grasses, broadleaf and woody plants), weed management and control methods, types of herbicides, application equipment, safe and effective herbicide application practices, aquatic plant management, and recordkeeping.

NAL Call No.: SB950.2.S6R5

### **Right-of-way pest control : a training manual for commercial pesticide applicators (category 6).**

Landis, Joy Neumann; Olsen, Larry C.; Brooks, Ed.

Michigan State University. Cooperative Extension Service. New.

East Lansing, Mich. : Cooperative Extension Service, Michigan State University, [1990]. 52 p. : ill. ; 28 cm. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; E-2043.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC right-of-way pest control

*Abstract:* Michigan's certification training manual for commercial pesticide applicators in right-of-way pest control discusses Integrated Pest Management (IPM) principles, right-of-way pest management techniques, weed plants and trees,



## PATC right-of-way pest control

non-selective and selective herbicides and factors affecting their action, growth regulators, insect, disease, fungi, and vertebrate rights-of-way pests, equipment and calibration, safety measures and public relations. Includes chapter review questions, and Michigan's pesticide emergency information telephone numbers.

*NAL Call No.:* 275.29 M58B no.2043 1990

### **Right-of-way pest control : category 6.**

Ohlenbusch, Paul D. 1939-.

Kansas State University. Cooperative Extension Service. Rev.

Manhattan, Kan. : Cooperative Extension Service, Kansas State University, [1987]. 15 p. : ill. ; 28 cm.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC right-of-way pest control

*Abstract:* This study guide for commercial pesticide applicators contains information on herbicides, application methods and equipment used in right-of-way pest control. It contains 23 multiple choice questions and a glossary.

*NAL Call No.:* SB611.O7 1987

### **Right-of-way pest control : category 6.**

Hartzler, Bob.

Iowa State University. Cooperative Extension Service. Rev.

Ames, Iowa : Cooperative Extension Service, Iowa State University, 1986. 17 p. : ill. ; 28 cm.

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC right-of-way pest control

*Abstract:* Designed to be used with the Iowa Core Manual, IC-445, this commercial applicator certification training manual on right-of-way pest control covers roadside management including brush and selective broadleaf weed control, short and long-term vegetation control, growth regulators, and prevention of non-target plant damage. Includes tables of herbicides for woody vegetation control listing type of application and comments and herbicides for non-selective weed control listing common and trade names, approximate length of control and comments.

*NAL Call No.:* SB612.I8R5 1986

### **Right-of-way pest control, manual 88.**

Kerr, Harold.

Rev. September 1988.

Columbia, Mo. : University Extension, University of Missouri, 1988. 13 leaves : ill. ; 28 cm.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC right-of-way pest control

*Abstract:* This manual, part of Missouri's Pesticide Applicator Training program, provides the information needed to meet the minimum Environmental Protection Agency standards for certification in right-of-way pest control. Use of pesticides and herbicides are explained and recommended treatments techniques are discussed.

*NAL Call No.:* SB950.2.M8R55 1988

### **Rights-of-way.**

Walker, Kandy.

University of Illinois at Urbana-Champaign. Cooperative Extension Service.

[Urbana, Ill.] : University of Illinois at Urbana-Champaign, Cooperative Extension Service, [1987?]. 53 p. : ill. ; 28 cm. -- Special publication (University of Illinois at Urbana-Champaign. Agricultural Experiment Station) ; 39-5.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC right-of-way pest control

*Abstract:* Designed as a study guide for the licensing examination in the Pesticide Applicator Right-of-Way Category, this Illinois manual provides information on types of rights-of-way; identification of noxious weeds, insect and disease pests; selection and implementation of appropriate pest control measures; application equipment and calibration; proper and safe pesticide mixing and loading application techniques to minimize personal injury, drift, leaching, spills and environmental contamination; and pesticide toxicity. It contains study questions; Poison Resource Centers addresses and toll-free telephone numbers, criteria and contact agencies for reporting hazardous materials incidents (spills, fires, and explosions), additional emergency numbers; conversions and dilution tables; a glossary; and additional references.

## PATC right-of-way pest control

NAL Call No.: 276 IL623 no.39-5

### **Rights-of-way pest control.**

French, C. Michael.

University of Georgia. Cooperative Extension Service. Rev.

Athens, Ga. : Cooperative Extension Service, University of Georgia, College of Agriculture, [1988?]. 26 p. : ill. ; 28 cm. -- Special bulletin (University of Georgia. Cooperative Extension Service) ; 13.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC right-of-way pest control

*Abstract:* This publication provides information on safer herbicide use and alternative procedures for right-of-way pest control. Weed control is the major concentration. Selective and nonselective control measures, herbicide formulations and equipment, woody plant control, and environmental impact are other topics covered.

NAL Call No.: SB950.A1S62 no.13 1988

### **Rights-of-way workbook, 1990-1991.**

Wolf, Bob; Ferree, Rhonda; Williams, Dave.

[Urbana, Ill.] : Cooperative Extension Service, College of Agriculture, University of Illinois at Urbana-Champaign, [1990]. 13 p. ; 28 cm.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC right-of-way pest control

*Abstract:* The questions and problems in this workbook correspond to information in the Illinois Pesticide Applicator Training Manual Rights-of-way, 39-5. Topics covered include rights-of-way areas and pests, rights-of-way weed control, pesticide application equipment and calibration, and minimizing nontarget exposure.

NAL Call No.: SB952.8.W6

### **Roadside vegetation management : pesticide applicator training manual, category 6B.**

Gucciardo, Linda S.; Fish, Gary D.

[Orono, Me.] : University of Maine, Cooperative Extension, 1989. 1 v. (various pagings) : ill. ; 28 cm.

*Place of publication:* Maine. *Language:* English.

*Descriptors:* PATC right-of-way pest control

*Abstract:* Designed to be used with Maine's Pesticide Education (Core) Manual, this pesticide applicator certification training manual on roadside vegetation management and control covers management strategies and plans, calibration formulas for herbicides, calibration of equipment, and the Federal and State laws and regulations governing the use of herbicides. Four illustrated appendices cover (1) identification of plants, (2) sample calibration logs, (3) charts of cross-referenced herbicides with target plants, application methods, brand names, formulations, toxicity class, and additional hazards, (4) sample DOT No-Spray agreement forms. Poison control and other emergency phone numbers are included.

NAL Call No.: TE178.R58

### **Selective chemical weed control.**

Ashton, Floyd M.; Harvey, W. A. 1914-.

University of California (System). Division of Agriculture and Natural Resources; California Agricultural Experiment Station. Rev.

Berkeley, Calif. : Agricultural Experiment Station, Division of Agriculture and Natural Resources, University of California, 1987. 16 p. : ill. ; 23 cm. -- Bulletin (University of California (System). Division of Agriculture and Natural Resources) ; 1919.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC forest pest control

*Abstract:* This bulletin discusses weed control as part of an IPM program. It explains ways that herbicides act on weeds, describes application methods, contains many line drawings and a glossary. Intended for use by growers, advisors, and applicators.

NAL Call No.: S39.A2C3 no.1919 1987

### **Special utility training manual.**

Montana. Dept. of Agriculture.

Helena, Mont. : Montana Dept. of Agriculture, Environmental Management Division, [1990]. iii, 60 p. : ill. ; 28 cm.



## PATC right-of-way pest control

*Place of publication:* Montana. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC right-of-way pest control; PATC stored, processed, manufactured product pest control

*Abstract:* Designed primarily as a study guide for public utility applicators of herbicides and wood preservatives on utility right-of-ways, this manual includes information on weeds, chemical and alternate weed control methods, environmental factors affecting herbicide action, wood treatment, wood preservatives, toxicity, safety, and environmental hazards associated with the use of herbicides and wood preservatives.

*NAL Call No.:* SB951.4.S632

### **Sprayer's guide : State of Maine.**

Maine. Department of Transportation. 2nd ed. Augusta, Me. : Department of Transportation, 1983. 1 v. (various pagings) : ill. ; 28 cm.

*Place of publication:* Maine. *Language:* English.

*Descriptors:* PATC right-of-way pest control

*Abstract:* The state of Maine Department of Transportation compiled this handbook for licensed pesticide applicators who use spray techniques for plant and rodent control. It includes: plant identification; medical risk assessments; equipment management; applicator technology; highway safety and no-spray agreements; and environmental impact concerns. There is an organizational directory for Pesticide Regulations and MeDOT program that contains phone numbers. Recommended formulations and measuring tables are included.

*NAL Call No.:* SB953.S6 1983

### **Vegetation management manual.**

Ohio. Dept. of Agriculture. 1981 revision. Reynoldsburg, Ohio : Ohio Department of Agriculture, 1981. 28 p. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC right-of-way pest control

*Abstract:* This manual provides information on industrial brush management application methods, roadside and non-selective vegetation management

objectives and applications, herbicides including common and trade name(s) and description, herbicide products, and safety. Glossary.

*NAL Call No.:* SB951.4.V43 1981

### **Weed control in ground covers.**

Elmore, Clyde L.; Humphrey, Wesley A.; Hamilton, W. Douglas.

University of California (System). Cooperative Extension; University of California (System). Division of Agriculture and Natural Resources.

Berkeley, Calif. : Cooperative Extension, University of California, Division of Agriculture and Natural Resources, [1987?]. 12 p. ; 28 cm. -- Leaflet (University of California (System). Division of Agriculture and Natural Resources) ; 2782.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC right-of-way pest control

*Abstract:* This leaflet, intended for landscape pesticide applicators and advisors, covers the cultural and chemical control methods for weeds in ground covers. It contains a table of herbicides registered for this use. Another table rates the sensitivity of weeds to herbicides used for their control. Table 3 suggests herbicide formulations and application rates.

*NAL Call No.:* S544.3.C2C3 no.2782 1987

### **Weed control on rights-of-way.**

Washington State University. Cooperative Extension. Rev. January 1988.

Pullman, Wash. : Cooperative Extension, College of Agriculture & Home Economics, Washington State University, [1988]. 26 p. : ill. ; 28 cm. -- Extension bulletin (Washington State University. Cooperative Extension) ; 669.

*Place of publication:* Washington. *Language:* English.

*Descriptors:* PATC aquatic pest control; PATC right-of-way pest control

*Abstract:* This publication covers weed control including aquatic vegetation management on rights-of-way; the planning requirements, operational procedures and administration, and goals of a vegetation management program; grass, broadleaf

## PATC right-of-way pest control

and woody plants and their control. It discusses selective and nonselective herbicides, formulations, timing and rates of application, factors affecting herbicide efficacy, drift and application equipment.

*NAL Call No.:* 275.29 W27P no.669 1988

### **Weed control on rights-of-way and non-cropland.**

Whitson, Tom D.

[Laramie, Wyo.] : University of Wyoming, College of Agriculture, Dept. of Plant, Soil and Insect Sciences, UW Cooperative Extension Service, [1989].

*Place of publication:* Wyoming. *Language:* English.

*Descriptors:* PATC right-of-way pest control

*Abstract:* This publication provides introductory information on weed control programs and on planning a vegetation control program. It lists herbicides recommended for right-of-way and non-cropland weed control in Wyoming and their application rate, time, remarks and cautions.

*NAL Call No.:* 275.29 W99B no.442.11



## PATC seed treatment

### PATC seed treatment

#### **Grain fumigation & seed treatment training manual.**

Montana. Dept. of Agriculture.  
Helena, Mont. : Montana Dept. of Agriculture,  
[1987]. ii, 41 p. : ill. ; 28 cm.

*Place of publication:* Montana. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC fumigation; PATC seed treatment

*Abstract:* This manual, designed as a study guide for commercial applicators involved in seed treatment and fumigation of stored grain, can be used to prepare for the seed treatment test. It presents information on the identification, management and chemical control of stored grain pests, recognition of important seed pathogens, seed treatments, application equipment, and safety concerns.

*NAL Call No.:* SB950.2.M9G72

#### **Information on seed treatment.**

Smith, F. H.; Black, J. O.; Griffin, R. P.  
Clemson, S.C. : Clemson University, Cooperative Extension Service, [1978?]. 20 p. : ill. ; 28 cm. -- Pesticide training series ; no. 4.

*Place of publication:* South Carolina. *Language:* English.

*Descriptors:* PATC seed treatment

*Abstract:* This manual explains why seeds are treated, how seed treatment chemicals are applied and control diseases, how seed treaters operate, and how to calibrate slurry or liquid seed treaters. Hazards and safety precautions associated with treated seed use and disposal are outlined. Includes diagrams of seed treaters and a label for chemically treated seed with identified parts.

*NAL Call No.:* SB950.2.S6S55

#### **[Miscellaneous study materials for commercial applicators].**

Ohio. Dept. of Agriculture Laboratories.  
[Columbus, Ohio : The Department, 1959-]. v. : ill. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC forest pest control; PATC public health pest control; PATC fumigation; PATC seed treatment; PATC demonstration, research

*Abstract:* These commercial applicator study materials include: general core information on Ohio pesticide regulations, Poison Control Centers, pesticide safety and toxicity, and groundwater protection; and information pertaining to the control of plant agricultural, forest, ornamental, turf, vertebrate (bird), structural (termite), public health (mosquito) and stored grain pests; fumigation; seed treatment; and demonstration and research.

*NAL Call No.:* SB952.863.O3M5

#### **Pest management principles for the commercial applicator : seed treatment pest control.**

Worf, Gayle.  
University of Wisconsin--Extension.  
[Madison, Wis. : University of Wisconsin--Extension, 1990]. vi, 131 p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC seed treatment

*Abstract:* Training manual for commercial pesticide applicators in the seed treatment pest control category. Major topics: pest management principles for control of seed pests; toxicity of pesticides; protecting human health and the environment; disposal; application methods and equipment calibration; and label information.

*NAL Call No.:* SB118.43.P47 1990

#### **Pest management principles for the commercial applicator : seed treatment pest control study guide.**

Worf, Gayle.  
University of Wisconsin--Extension. 1st ed.  
[Madison, Wis. : University of Wisconsin--

## PATC seed treatment

Extension, 1990]. 20 p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC seed treatment

*Abstract:* This study guide accompanies Pest Management Principles for the Commercial Applicator: Seed Treatment Pest Control. It contains multiple choice questions and answers on subject matter presented in the training manual.

*NAL Call No.:* SB118.43.P472 1990

**Pesticide application and safety training study guide : agricultural-seed treatment.** Metro-Pest Management Consultants, Inc; Colorado. Division of Plant Industry. [Denver, Colo.] : Colorado Dept. of Agriculture, Division of Plant Industry, [1980]. 19, [1] p. : ill. ; 28 cm.

*Place of publication:* Colorado. *Language:* English.

*Descriptors:* PATC seed treatment

*Abstract:* This Colorado study guide/manual contains the educational information needed by the pesticide applicator to pass the written and oral state licensing examination requirements in the agricultural-seed treatment category. The manual is designed to aid in identification and management of seed disease and insect pests. Seed surface disinfection, seed protection, seed disinfection and systemic action treatments as well as application equipment (liquid, slurry and dust treaters) are discussed. Safety precautions for treating seed and pesticide selection tips are listed. Includes Colorado State Extension Service Offices' addresses.

*NAL Call No.:* SB118.43.P48

**Pesticide applicator's training manual for seed treatment.** [Minnesota? : s.n.], 1990. 17 leaves : forms ; 28 cm.

*Place of publication:* Minnesota. *Language:* English.

*Descriptors:* PATC seed treatment

*Abstract:* This Minnesota manual is designed as a guide for commercial and noncommercial seed treatment pesticide applicators to familiarize them with basic information necessary for safe and efficient pesticide application. Commonly treated seeds, seed pests, nonchemical and chemical pest control methods, application equipment, coloring and labelling treated seeds and OSHA standards are covered. Sample pesticide application record forms, a sample label, and self-study guide questions and answers are included.

*NAL Call No.:* SB952.863.M6P4 1990

### Plant disease training manual.

Montana. Dept. of Agriculture.  
Helena, Mont. : Montana Dept. of Agriculture, 1981. iii, 77 p. : ill. ; 28 cm.

*Place of publication:* Montana. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC seed treatment

*Abstract:* This study guide for commercial applicators engaged in plant disease control, fungicide application and seed treatment is designed to be used to prepare for the Ag Plant Pest examination and the Seed Treatment Examination. General information on plant diseases, principles of plant disease control, fungicides and seed treatments is provided in Part I. Important Montana plant diseases of cereal grains, potatoes, forage crops, fruit trees, sugar beets, sunflowers, rape and mustard and safflower are discussed in Part II. Includes a plant pathology glossary.

*NAL Call No.:* SB950.2.M9P5

### Seed treatment.

Wamsley, Mary Ann; Vermeire, Donna M.  
University of California (System). Division of Agricultural Sciences.  
[Berkeley, Calif.?] : University of California, Division of Agricultural Sciences, 1981. 6 p. : ill. ; 28 cm. -- Leaflet (University of California (System). Division of Agricultural Sciences ; 2966.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC seed treatment

*Abstract:* This seed treatment pest control certification examination study guide covers the kinds of



## PATC seed treatment

seeds treated, seed pests, seed treatment formulations, application equipment, treated seed coloring and labelling, safety, and environmental protection.

*NAL Call No.:* S544.3.C2C3 no.2966 1981

### Seed treatment.

Brown, Steven L.

Alabama Cooperative Extension Service.

[Auburn, Ala.] : Alabama Cooperative Extension Service, Auburn University, [1985?]. 64 p. : ill. ; 28 cm. -- Circular ANR ; 434.

*Place of publication:* Alabama. *Language:* English.

*Descriptors:* PATC commercial core training; PATC seed treatment

*Abstract:* This study guide is designed to prepare persons seeking certification in Alabama's commercial pesticide applicator Seed Treatment Pest Control Category. It provides general information on pests; pest control and pesticides; labels; pesticide laws and regulations; proper and safe practices for mixing, loading, applying, disposing of and storing pesticides; protective clothing; pesticide toxicity and hazards; identifying pesticide poisoning signs and symptoms; first aid procedures when pesticide poisoning occurs; protecting the environment; and record keeping. Chapter 9 presents specific information on seed and seedling pests and disease-causing organisms, classifications of seed treatment pesticides by formulation type and by function or purpose, and seed treatment machinery and calibration. Each chapter is followed by fill-in-the-blank and matching test questions and the last chapter contains answers.

*NAL Call No.:* S544.3.A2C47 no.434

### Seed treatment.

Shurtleff, Malcolm C.

University of Illinois at Urbana-Champaign. Cooperative Extension Service; Illinois. Natural History Survey Division.

[Urbana, Ill.] : University of Illinois at Urbana-Champaign, College of Agriculture, Cooperative Extension Service, in cooperation with the Illinois Natural History Survey, [1986?]. 27 p. : ill. ; 28 cm. -- Special publication (University of Illinois at Urbana-Champaign. Agricultural Experiment Station) ; 39-4.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC seed treatment

*Abstract:* Designed for use by individuals seeking Commercial Seed Applicator Certification, this Illinois study guide for the Seed Treatment Pest Control Applicator Examination covers seedborne and soilborne diseases, insects, and other seed treatment managed pests of field crops, vegetables, turfgrasses, flowers and nursery crops; commonly treated seeds; seed treatments; pesticides and application equipment used for treating seeds, bulbs, corms and other propagative plant parts; and regulations for labeling, safety measures and environmental precautions for applying, handling, and disposing of seed treatment pesticides and treated seeds. Includes illustrations, a glossary and additional references. This manual does not include specific chemical seed treatment recommendations. Since these change frequently, they are printed in the current Illinois Pest Control Handbook and circulars.

*NAL Call No.:* 276 IL623 no.39-4

### Seed treatment.

Lowery, Harvey C.

Ohio. Dept. of Agriculture.

[Reynoldsburg, Ohio? : Ohio Dept. of Agriculture?, 198-?]. 9 p. : ill. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC seed treatment

*Abstract:* This publication provides information on treated seeds, diseases and insect pests of seed, pesticides and equipment used to treat seeds, labeling and coloring of treated seeds and safety precautions.

*NAL Call No.:* SB118.43.L69

### Seed treatment.

Lowery, Harvey C.

[Rev. Feb., 1982].

Athens, Ga. : Cooperative Extension Service, University of Georgia, College of Agriculture, [1982].

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC seed treatment

*Abstract:* This training manual contains the infor-

## PATC seed treatment

mation needed by pesticide applicators in the state of Georgia to pass the examination for seed treatment certification. Pests commonly associated with seed in its natural and stored states are identified and discussed. The use of fungicides, insecticides and nonpesticidal compounds are recommended for integrated pest management. Equipment and calibration formulas are included. The manual illustrates dust, spray, liquid and powder type seed treater equipment.

*NAL Call No.:* SB950.A1S62 no.3 1982

### **Seed treatment : pesticide applicator manual.**

Nesheim, O. Norman.

Rev. 1985 ed.

[Stillwater, Okla.] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, 1985. 18 p., [2] p. of plates : ill. (some col.) ; 28 cm.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC seed treatment

*Abstract:* This manual includes information on pest identification, equipment calibration and operation, and safety.

*NAL Call No.:* SB950.2.O5S4 1985

### **Seed treatment for agronomic crops.**

Lipps, Patrick E.

Ohio State University. Cooperative Extension Service.

[Columbus, Ohio] : Cooperative Extension Service, Ohio State University, [1981?]. 1 folded sheet (6 p.) : ill. ; 23 x 10 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 639.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC seed treatment

*Abstract:* Seed treatment methods, precautions, and recommendations for corn, sorghum, small grains, soybeans, small-seeded forage legumes and sugar beets are discussed in this publication.

*NAL Call No.:* 275.29 OH32 no.639

### **Seed treatment for agronomic crops.**

Lipps, Patrick E.; Grove, Gary G.

Ohio State University. Cooperative Extension Service. Rev.

[Columbus, Ohio] : Cooperative Extension Service, Ohio State University, [1985?]. 14 p. : ill. ; 28 cm.

-- Bulletin (Ohio State University. Cooperative Extension Service) ; 639.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC seed treatment

*Abstract:* This bulletin discusses seed treatment fungicides; seed and seedling diseases; seed treatment recommendations for corn, sorghum, small grains, soybeans, alfalfa and other small-seeded forage legumes, and sunflower; treated seed labeling requirements; and hazards associated with treated seed handling, use, storage, and disposal.

*NAL Call No.:* 275.29 OH32 no.639 1985

### **Seed treatment, manual 92.**

Palm, Einar; Munson, Gene.

Rev. January 1990.

Columbia, Mo. : University Extension, University of Missouri, 1990. 45, [2] p. : ill. (1 col.) ; 28 cm.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC seed treatment

*Abstract:* This Missouri Pesticide Applicator Training program is for commercial applicators seeking certification in seed treatment. Seed treatment principles, the chemicals used and their application are covered. Federal and state regulations, environmental safety and personal safety pertaining to seed treatment are discussed. Study questions and other references are provided. Color plates of the principal stored grain insects aid in identification.

*NAL Call No.:* SB950.2.M8S4 1990

### **Seed treatment study package.**

Pasic, Brian.

Rev. Oct. 1987.

Pullman, Wash. : Cooperative Extension, College of Agriculture & Home Economics, Washington State University, [1987]. -- EM (Washington State University. Cooperative Extension) ; 4747.

*Place of publication:* Washington. *Language:* English.



## PATC seed treatment

*Descriptors:* PATC seed treatment

*Abstract:* This study manual is for pesticide applicators preparing for the Washington State Seed Treatment Exam. The manual covers the basic concepts most important to appropriate use of seed treatment chemicals. It also contains information concerning seed pest organisms: insects, vertebrates and pathogens. Specimen labels and detailed diagrams of treatment equipment augment the text.

*NAL Call No.:* 275.29 W27Mi no.4747 1987

## PATC specialized pest control

### PATC specialized pest control

#### NOR-AM technical protocol.

NOR-AM Chemical Company.  
Wilmington, Del. : NOR-AM Chemical Co,  
[1987?]. 9 v. ; 28 cm.

*Place of publication:* Delaware. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC specialized pest control; PATC public health pest control; PATC private sector produced material

*Abstract:* Nine NOR-AM Chemical Company Technical Protocols suggest an eight-step pest management system for pesticide applicators who apply chemicals in: apartment and condominium complexes; hotels, resorts and theme parks; restaurants and fast food operations; hospitals and nursing homes; food processing plants; offices, schools and computer rooms; modes of transportation; houses; and animal research laboratories, zoos and pet stores. The eight steps include: 1) obtaining management cooperation, 2) inspection, 3) developing non-chemical treatment recommendations, 4) developing chemical treatment recommendations, 5) securing cooperation of occupants/staff, 6) implementation of initial treatments, 7) implementation of follow-up treatments, and 8) follow-up inspections.

*NAL Call No.:* SB950.92.N67

#### Structure & turf demossing : study guide for certification in structural and turf demossing.

Ramsey, C. A.

Rev.

Pullman, Wash. : Washington State University, College of Agriculture & Home Economics, [1990]. -- EM (Washington State University. Cooperative Extension) ; 4749.

*Place of publication:* Washington. *Language:* English.

*Descriptors:* PATC specialized pest control

*Abstract:* This manual, for pesticide applicators preparing for the Washington State Department of Agriculture Structural and Turf Demossing licens-

ing examination, contains identification guides and life cycle information about lichens, algae, moss, and liverworts. Chemical control suggestions focus on the use of herbicides. There are specific treatment recommendations for each type of pest.

*NAL Call No.:* 275.29 W27MI no.4749 1990



## **PATC stored, processed, manufactured product pest control**

**1988 Oklahoma Grain Elevator Workshops : February 2, Chickasha, February 3, Enid, February 4, Woodward.** Oklahoma Grain Elevator Workshops; Oklahoma State University. Cooperative Extension Service.; Farmers Cooperative Grain Dealers Association of Oklahoma; Oklahoma Grain and Feed Association.

[Stillwater, Okla.?] : The Service, [1988]. 1 v. (various pagings) : ill. ; 29 cm.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC fumigation

*Abstract:* This manual is composed of the presentations given at the 1988 Oklahoma Grain Elevator Workshops held February 2-4. Topics covered include an overview of the grain industry, one year sequence of stored grain management; storage production and chemical insect control; receiving and handling; grain blending; fumigation; integrated pest management; and aeration of commercial grain structures. Grain elevator maintenance guides, inspection checklists and housekeeping reports are provided.

*NAL Call No.:* SB190.O4 1988

### **Agricultural commodity fumigation.**

Womack, Herbert.

University of Georgia. Cooperative Extension Service; Georgia. Dept. of Agriculture.

Athens, Ga. : Cooperative Extension Service, University of Georgia, College of Agriculture, [1989?]. 23 p. : ill. ; 28 cm. -- Special bulletin (University of Georgia. Cooperative Extension Service) ; 26.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC fumigation

*Abstract:* Major topics covered in this manual include identification and life cycles of agricultural commodity insect pests; types of fumigants; factors affecting their effectiveness; safety; and proper ap-

plication techniques. A pictorial key to beetles infesting stored foods and a formula chart for calculating volume are provided.

*NAL Call No.:* SB950.A1S62 no.26

### **Applicator's manual for Degesch Phostoxin pellets and tablets-R.**

Degesch America, Inc.

Weyers Cave, Va. : Degesch America, Inc, [1987?]. i, 17 p. ; 28 cm.

*Place of publication:* Virginia. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC fumigation; PATC private sector produced material

*Abstract:* This Applicator's Manual for DEGESCH Phostoxin Pellets and Tablets-R, Restricted Use Pesticides and fumigants to protect stored commodities from insect damage and to control burrowing pests, includes precautionary statements; directions for use; information on protective clothing; respiratory protection requirements and devices; applicator and worker exposure; aeration of fumigated commodities; storage; disposal; and spill and leak procedures.

*NAL Call No.:* SB955.A6

### **Apply pesticides correctly : a guide for commercial applicators : food processing pest control.**

Wamsley, Mary Ann; Vermeire, Donna M.

[Knoxville, Tenn.?] : University of Tennessee, Agricultural Extension Service in cooperation with U.S. Environmental Protection Agency, [1988?]. 12 p. : ill. ; 28 cm.

*Place of publication:* Tennessee. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC fumigation

*Abstract:* Applicants for Food Processing Pest Control certification in the state of Tennessee will find the basic information necessary to meet the specific requirements and standards in the food and feed industries in this manual. The types of pests and methods of control are surveyed. Advantages and limitations of aerosol, liquid, dust, granule, bait, fumigants and vapors are highlighted.

## PATC stored, processed, manufactured product pest control

NAL Call No.: SB937.A6

### **Apply pesticides correctly : a guide for commercial applicators : industrial, institutional, structural and health related pest control.**

Wamsley, Mary Ann; Vermeire, Donna M.  
[Knoxville, Tenn.?] : University of Tennessee, Agricultural Extension Service in cooperation with U.S. Environmental Protection Agency, [1988?]. i, 15 p. : ill. ; 28 cm.

*Place of publication:* Tennessee. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* This training manual is for commercial pesticide applicators seeking certification in the industrial, institutional, structural and health related pest control categories in Tennessee. General insect pests are presented followed by: parasitic pests of man, occasional dwelling invaders, wood-destroying pests, stored product pests and vertebrate pests. Each type of pest is followed by suggested control treatments and methods of assessing the efficacy of the treatment.

NAL Call No.: SB952.8.A6

### **Category 11 study questions for wood preservation and wood products treatment.**

University of Tennessee, Knoxville. Agricultural Extension Service.  
[Knoxville, Tenn.] : University of Tennessee, Agricultural Extension Service, [1984]. 11, [1] leaves ; 28 cm.

*Place of publication:* Tennessee. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control

*Abstract:* This self-test consists of 70 multiple choice study questions and answers based on information in the Wood Preservation and Wood Products Treatment manual.

NAL Call No.: TA424.W664

### **Category specific training manual for pesticide applicators in food processing and manufacturing areas.**

University of Arkansas, Fayetteville. Cooperative Extension Service.

[Fayetteville, Ark.? : University of Arkansas, Cooperative Extension Service, 1975?]. 35 p. : ill. ; 28 cm.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC fumigation

*Abstract:* This training manual is designed for pesticide applicators who control pests in food processing, manufacturing and storage areas. Both chemical and nonchemical control tactics are discussed as well as prevention maintenance. Insect, rodent and bird pests are illustrated for easy identification. Weeds and grasses are also illustrated and described. Application procedures and recommendations for safety and fumigation are highlighted.

NAL Call No.: SB937.C3

### **Chemical controls.**

Jones, Bill F.; Johnson, Donald R.  
Little Rock, Ark. : Cooperative Extension Service, University of Arkansas, [1984?]. p. 59-92 : ill. ; 28 cm.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC fumigation

*Abstract:* This excerpted information about chemical treatment of on-farm stored grain is used in the Arkansas Pesticide Applicator Training Program. The use of rodenticides and insecticide and the equipment used for as well as the different methods of application are discussed and illustrated. Fumigation techniques are also described. Recommended dosage calibrations for all treatments are supplied. Life-threatening situations in grain storage bins are described and illustrated. Safety tips are emphasized.

NAL Call No.: SB190.J62



## PATC stored, processed, manufactured product pest control

### **Commercial applicator certification : category 7A household pests, category 7D vertebrate pests.**

Alm, Steven R.; Siligato, Peggy.  
Kingston, R.I. : University of Rhode Island, Cooperative Extension, College of Resource Development, [1991]. 1 v. (various pagings) : ill. ; 28 cm.

*Place of publication:* Rhode Island. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control

*Abstract:* Designed to prepare commercial applicators for certification in household and vertebrate pest control in Rhode Island, this study packet contains lists of: suggested references; commonly used pesticides, common structural insects and vertebrate pests and their chemical and non-chemical controls, and equipment which these applicators should be familiar with; subject areas they should be proficient in; and continuing education resources. Includes sample labels and Material Safety Data Sheets, state regulations covering fur-bearing animals, and bird control guidelines.

*NAL Call No.:* TX325.C63

### **Control of household insects and their relatives.**

Jones, Bill F.; Johnson, Don R.  
University of Arkansas, Fayetteville. Cooperative Extension Service. [Rev. 4-89].  
[Fayetteville, Ark.?] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture, and county governments cooperating, [1989]. 1 sheet : ill. ; 31 x 46 cm. folded to 23 x 11 cm. -- EL (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 392.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control

*Abstract:* This pamphlet, written for pesticide applicators in the state of Arkansas, is an identification guide for common household insects and pests. It cross references the insect and its habits

with suggestions for control and treatment. Dosage recommendations for insecticides by both common and chemical names are listed.

*NAL Call No.:* 275.29 Ar4Le no.392 1989

### **Grain fumigation & seed treatment training manual.**

Montana. Dept. of Agriculture.  
Helena, Mont. : Montana Dept. of Agriculture, [1987]. ii, 41 p. : ill. ; 28 cm.

*Place of publication:* Montana. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC fumigation; PATC seed treatment

*Abstract:* This manual, designed as a study guide for commercial applicators involved in seed treatment and fumigation of stored grain, can be used to prepare for the seed treatment test. It presents information on the identification, management and chemical control of stored grain pests, recognition of important seed pathogens, seed treatments, application equipment, and safety concerns.

*NAL Call No.:* SB950.2.M9G72

### **Ground line inspection & preservative retreatment of standing wood utility poles.**

Pastoret, James.  
Columbia, Mo. : School of Forestry, Fisheries and Wildlife, College of Agriculture, University of Missouri, [1987?]. 16 p. : ill., map ; 28 cm.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control

*Abstract:* This manual is a supplement to "Wood Products Pest Control" (Manual 101) in the state of Missouri. It covers retreatment methods and safety procedures for the preservation of standing wood utility poles.

*NAL Call No.:* TA424.4.P3

### **Household insect control.**

Scheibner, R. A.

## PATC stored, processed, manufactured product pest control

Rev. 9-85.

[Lexington, Ky.] : University of Kentucky, College of Agriculture, Cooperative Extension Service, [1985].

*Place of publication:* Kentucky. *Language:* English.

*Descriptors:* PATC general public and homeowners; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control

*Abstract:* This manual is for homeowners wishing to identify, control or eliminate insect pests in the home. Stored food, wood destroying, free foraging, fabric and paper, and nuisance pests as well as insects that bite or sting are cross referenced with materials that they attack. Recommended pesticides and remarks pertaining to pest management by Kentucky residents are included.

*NAL Call No.:* 275.29 K415E no.29

### Illinois pest control handbook.

University of Illinois at Urbana-Champaign. Cooperative Extension Service; Illinois. Natural History Survey Division.

[Urbana, Ill.] : Cooperative Extension Service, University of Illinois at Urbana-Champaign, 1986-. v. : ill. ; 28 cm.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC private core training; PATC commercial core training; PATC animal agricultural pest; PATC plant agricultural pest; PATC aquatic pest control; PATC ornamental, turf pest control; PATC right-of-way pest control; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control

*Abstract:* The Illinois Pest Control Handbook, a compilation of detailed information on pests (insects, plants, animals, fungi, and nematodes) and pesticides (herbicides, insecticides, fungicides, nematicides and restricted-use pesticides), informs the applicator how to develop strategies for integrated pest management. It covers pests of field crops and livestock, vegetable crops, ornamentals and turf, homes, yards, and gardens. Many tables cross reference pest problems with recommended pest management guidelines which include control methods instructions, pesticides and treatments.

The handbook is revised annually.

*NAL Call No.:* SB950.2.I3I46

### Industrial, institutional, structural, and health related study questions.

Burgess, Gene.

University of Tennessee, Knoxville. Agricultural Extension Service. [Rev.].

[Knoxville, Tenn.] : University of Tennessee, Agricultural Extension Service, [1988?]. 31, [1] p. ; 28 cm.

*Place of publication:* Tennessee. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* This manual is a compilation of multiple choice study questions designed to familiarize Tennessee pesticide applicants with industrial, institutional, structural and health related certification examination questions. Specific topics covered are common insects and arthropod pests, stored grain insects, fumigants, vertebrate pests, weeds, pesticide dilution formulation, and safety procedures. The answers are included.

*NAL Call No.:* SB950.2.T2C37 1988

### Industrial, institutional, structural and health-related pest control.

Rev. May, 1982.

Athens, Ga. : Cooperative Extension Service, University of Georgia, College of Agriculture, [1982].

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control; PATC fumigation

*Abstract:* This manual is for those pesticide applicators applying for certification in the state of Georgia as an Industrial, Institutional, Structural and Health Related Pest Control Applicator. This guide supplements the core manual, highlighting preventive sanitation, pest control and pesticides, safe use of pesticides and recognition, treatment



## PATC stored, processed, manufactured product pest control

and control of common pests. Pests are illustrated and described; management strategies are suggested.

*NAL Call No.:* SB950.A1S62 no.17

### **The Law and regulations on licensing pest control operators : a handbook for commercial pest control operators.**

Arkansas. State Plant Board; Arkansas. Arkansas pest control law. Rev.

Little Rock, Ark. : State Plant Board, Pest Control Section, 1984. 27 p. : ill. ; 22 cm. -- Circular (Arkansas. State Plant Board) ; 6.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC fumigation

*Abstract:* The Arkansas Pest Control Law and the regulations of the State Plant Board for licensing pesticide control applicators are the contents of this handbook. The 1985 regulation changes are attached separately.

*NAL Call No.:* KFA3882.I5A3 1984

### **[Miscellaneous study materials for commercial applicators].**

Arkansas. State Plant Board.

[Little Rock, Ark. : The Board, 1976?]. v. : ill. ; 23-36 cm.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC ornamental, turf pest control; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC fumigation

*Abstract:* This compilation of materials for persons desiring a license for Pest Control Service work in Arkansas includes: Arkansas State Plant Board Application for Pest Control Examination; some specific category requirements; notification of a regulation change; and various publications on food processing, structural, ornamental, turfgrass and forest pest control, rats and fumigation.

*NAL Call No.:* SB952.863.A82M5

### **[Miscellaneous study materials for commercial applicators].**

Ohio. Dept. of Agriculture Laboratories.

[Columbus, Ohio : The Department, 1959-]. v. : ill. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC forest pest control; PATC public health pest control; PATC fumigation; PATC seed treatment; PATC demonstration, research

*Abstract:* These commercial applicator study materials include: general core information on Ohio pesticide regulations, Poison Control Centers, pesticide safety and toxicity, and groundwater protection; and information pertaining to the control of plant agricultural, forest, ornamental, turf, vertebrate (bird), structural (termite), public health (mosquito) and stored grain pests; fumigation; seed treatment; and demonstration and research.

*NAL Call No.:* SB952.863.O3M5

### **NOR-AM technical protocol.**

NOR-AM Chemical Company.

Wilmington, Del. : NOR-AM Chemical Co, [1987?]. 9 v. ; 28 cm.

*Place of publication:* Delaware. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC specialized pest control; PATC public health pest control; PATC private sector produced material

*Abstract:* Nine NOR-AM Chemical Company Technical Protocols suggest an eight-step pest management system for pesticide applicators who apply chemicals in: apartment and condominium complexes; hotels, resorts and theme parks; restaurants and fast food operations; hospitals and nursing homes; food processing plants; offices, schools

## PATC stored, processed, manufactured product pest control

and computer rooms; modes of transportation; houses; and animal research laboratories, zoos and pet stores. The eight steps include: 1) obtaining management cooperation, 2) inspection, 3) developing non-chemical treatment recommendations, 4) developing chemical treatment recommendations, 5) securing cooperation of occupants/staff, 6) implementation of initial treatments, 7) implementation of follow-up treatments, and 8) follow-up inspections.

*NAL Call No.:* SB950.92.N67

### **Ohio insect information.**

Ohio State University. Cooperative Extension Service.

Columbus, Ohio : Cooperative Extension Service, Ohio State University, [198?- ]. v. : ill. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC public health pest control; PATC general public and homeowners

*Abstract:* These publications provide information on the identification, life cycle, habits, non-chemical and chemical control of insect pests including ornamental and turfgrass, wood destroying, stored grain, and public health pests and moles (insectivores). For homeowners and study material for Ohio commercial applicators.

*NAL Call No.:* SB934.5.O3O47

### **Pest management education program for public housing authority management personnel and residents.**

Gladin, Jodie.

[Stillwater, Okla.?] : Cooperative Extension Service, Division of Agriculture, Oklahoma State University, [1987?].

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* This publication is designed as a report on a pest management program for residents and management personnel of the Oklahoma City Housing Authority to increase the effective use of pest control procedures. It can assist homeowners, extension agents, management personnel and residents of multiple unit housing complexes as well as professional, certified pest control operators in the application of the proper urban pest management principles that can be derived from this study.

*NAL Call No.:* 275.29 Ok41C no.864

### **Pesticide application and safety training study guide : stored commodities treatment.**

Colorado. Division of Plant Industry; Colorado State University. Cooperative Extension Service. Rev. 12-90.

Denver, Colo. : Colorado Dept. of Agriculture, Division of Plant Industry, 1990. [ii], 52 p. : ill. ; 28 cm.

*Place of publication:* Colorado. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC fumigation

*Abstract:* This Colorado study guide/manual contains the educational information needed by the commercial pesticide applicator to pass the written state licensing examination in the treatment of stored grain and other stored commodities. Grain storage principles and problems are discussed and illustrated. Chemical treatments including fumigation techniques are highlighted. Other application methods and equipment that are described and illustrated include sprayers, aerial equipment, pumps and fans. Safety strategies, first aid treatments and environmental concerns are addressed. Calibration tables and formulas are given. Colorado State Extension Service Offices' addresses and telephone numbers are listed. The Rocky Mountain Poison Control Center toll free telephone number is included.

*NAL Call No.:* SB937.P47 1990

### **Pesticide applicator training : [category 7].**

Purdue University.

[West Lafayette, Ind.] : Purdue University, [1988-].



## PATC stored, processed, manufactured product pest control

v. : ill. (some col.), maps ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC right-of-way pest control; PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control; PATC fumigation

*Abstract:* Five manuals cover the six divisions of Pesticide Applicator Training Category 7. Four manuals prepare commercial pesticide applicators for certification. One manual (7bRT) prepares wood destroying organism technicians for registration. This broad category encompasses the identification and control of industrial, institutional, and health related pests, wood destroying pests, stored food, and common household pests. Pesticide selection, labels, safety, protective equipment, application, calibration, fumigation, toxicity and environmental protection are discussed.

*NAL Call No.:* SB951.P4629

### **Pesticide applicator training : [public health pest control].**

Purdue University.

[West Lafayette, Ind.] : Purdue University, [1988?]. 1 v. (various pagings) : ill. (some col.) ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC industrial pest control; PATC public health pest control

*Abstract:* Intended for commercial pesticide applicator training, this manual provides information on the major public health pests and nonchemical and chemical methods to control them. It studies the life cycles and habitats of these pest insects, mites, ticks, spiders, and vertebrates and how they transmit diseases. Equipment calibration, and environmental concerns, specifically controlling pesticide drift and minimizing harmful effects of pest control on the environment are covered.

*NAL Call No.:* SB951.P463

### **Pesticide applicator training : [wood preservative pest control].**

Purdue University.

[West Lafayette, Ind.?] : Purdue University, [198-?]. 1 v. (various pagings) : ill. ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC institutional, structural pest control; PATC stored, processed, manufactured product pest control

*Abstract:* This wood preservatives pest control manual includes in-depth materials on wood preservation and wood products treatment, pesticide label interpretation, toxicity, protective equipment, disposal, safety, and on the Indiana Pesticide Use and Application Law. It contains thorough discussions of the wood preservatives CREOSOTE, tar products, pentachlorophenol, and inorganic arsenals. Material Safety Data Sheets (MSDS) and specimen labels are provided on POL-NU PAK, OSMOSE, Wolmanac Concentrate 50% and CREOSOTE OIL. Glossaries appear throughout the materials.

*NAL Call No.:* SB951.P4634

### **Pole framing, piling applications and railroad tie repair.**

American Wood Preservers Institute.

[Vienna, Va.] : The Institute, [1986?]. 1 videocassette (13 min.) : sd., col. ; 1/2 in. + training manual.

*Place of publication:* Virginia. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC private sector produced material

*Abstract:* This EPA approved audiovisual training program discusses EPA requirements for creosote use by applicators for pole framing, piling applications, and railroad tie repair. Major topics covered include: the three avenues of exposure; protective gear; handling overexposure, fire, spills and medical emergencies; and proper disposal procedures.

*NAL Call No.:* Videocassette no.762

## PATC stored, processed, manufactured product pest control

### Safe practices in the use and handling of Fumitoxin.

Pestcon Systems, Inc.

[Des Moines, Iowa] : Pestcon Systems, Inc, [1988?].  
1 v. (unpaged) : ill. ; 28 cm.

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC fumigation; PATC pesticide dealers and distributors; PATC private sector produced material

*Abstract:* This ready reference manual produced by PESTCON SYSTEMS INC. compiles FUMITOXIN fumigant labels and its Material Safety Data Sheet in individual clear plastic covers. It emphasizes safe handling and application practices in the use of this restricted pesticide for stored, processed, manufactured product pest control.

*NAL Call No.:* SB952.5.S32

### Service technician's manual.

National Pest Control Association. Education Committee. Rev. 1986.

Dunn Loring, Va. : The Association, 1986. vii, 154 p. : ill. ; 23 cm.

*Place of publication:* Virginia. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* The National Pest Control Association Service Technician's Manual is intended to serve as both an orientation manual and field reference manual. Major topics covered are: the basic steps of pest control; federal laws and regulations affecting structural pest control; the pesticide label; pesticides and how to use them safely and effectively; vertebrate, insect and related pests; insect control equipment; safety and environmental concerns. The manual contains chapter review questions, emergency first-aid measures for poisoning, and illustrations accompanying insect descriptions.

*NAL Call No.:* SB951.S47 1986

### Special utility training manual.

Montana. Dept. of Agriculture.

Helena, Mont. : Montana Dept. of Agriculture, Environmental Management Division, [1990]. iii, 60 p. : ill. ; 28 cm.

*Place of publication:* Montana. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC right-of-way pest control; PATC stored, processed, manufactured product pest control

*Abstract:* Designed primarily as a study guide for public utility applicators of herbicides and wood preservatives on utility right-of-ways, this manual includes information on weeds, chemical and alternate weed control methods, environmental factors affecting herbicide action, wood treatment, wood preservatives, toxicity, safety, and environmental hazards associated with the use of herbicides and wood preservatives.

*NAL Call No.:* SB951.4.S632

### Stored grain insect control.

Johnson, Donald R.; Jones, Bill F.

University of Arkansas, Fayetteville. Cooperative Extension Service. [Rev., 9/87].

[Little Rock, Ark.] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture, and county governments cooperating, [1987]. 11 p. : ill. ; 23 cm. -- EL (University of Arkansas, Fayetteville. Cooperative Extension Service) ; 412.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC fumigation

*Abstract:* This leaflet covers stored grain insects, sources of infestation, and five prevention and control strategies including sanitation, preventive spray treatments and fumigation. Features illustrations of immature and adult internal and external feeding insects.

*NAL Call No.:* 275.29 Ar4Le no.412 1987

### Stored grain pest management.

Cink, James; Harien, Phillip.

St Paul, Minn. : Dept. of Entomology, Minnesota Extension Service, University of Minnesota, [1989]. 1 v. (various paging) : ill. ; 28 cm. + picture sheets.



## PATC stored, processed, manufactured product pest control

*Place of publication:* Minnesota. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC fumigation

*Abstract:* Developed as a guide for training stored grain pest managers in the areas of fumigation, this manual is designed to provide information to assist stored grain managers in solving pest problems and in preparing for state certification in commercial or non-commercial fumigation. Fumigation principles and safety, types and methods of fumigation, application procedures and specific fumigants are discussed. Additional major topics include: rodents and their control; pest bird management; other pest animals; weeds; pesticides; formulations; laws and regulations; labels; toxicity; human and environmental protection; calibration; grain protectants and application equipment. Includes sample checklists for: prefumigation building inspection, fumigation and fumigant clearance; a glossary; and study questions and answers.

*NAL Call No.:* SB190.S762

### Stored products pest control : category 7B.

Henderson, F. Robert.

Kansas State University. Cooperative Extension Service.

Manhattan, Kan. : Cooperative Extension Service, Kansas State University, [1986]. 42 p. : ill. ; 28 cm.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC fumigation

*Abstract:* Designed for commercial pesticide applicators, this manual provides information on the life cycles of stored product insects, the biology of vertebrate pests (rats, mice and birds) and their control. It explains how to properly and safely apply pesticides in food plants and fumigants. This study guide contains practice multiple choice questions.

*NAL Call No.:* SB937.S7 1986

### Stored-grain insects.

United States. Agricultural Research Service.

Revised January 1986.

[Beltsville, Md.?] : U.S. Dept. of Agriculture, Agricultural Research Service ; National Technical Information Service [distributor], 1986.

Springfield, Va. 57 p. : ill. (some col.) ; 24 cm. -- Agriculture handbook (United States. Dept. of Agriculture) ; no.500.

*Place of publication:* District of Columbia. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control

*Abstract:* This handbook covers the five primary insect pests that cause most of the damage to grain in storage and shipment--the granary weevil, the rice weevil, the maize weevil, the lesser grain borer or Australian wheat weevil and the Angoumois grain moth. Secondary pests including other grain weevils, grain borers and grain moths, flour moths, grain and flour beetles, mealworms, dermestid beetles, spider beetles and miscellaneous beetles which are chiefly surface feeders effectively removed by grain-cleaning operations are also discussed. The handbook describes how grain becomes infested and how to prevent or reduce primary infestation because the primary pests live inside the grain kernel (except for the lesser grain borer) and cannot be removed by cleaning machinery.

*NAL Call No.:* aSB608.G6S76

### Structural pest management.

Cink, James H.; Harein, Phillip K.

St. Paul, Minn. : Dept. of Entomology, Minnesota Extension Service, University of Minnesota, [1989]. 1 v. (various pagings) : ill. ; 28 cm. + 4 sheets.

*Place of publication:* Minnesota. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* Developed as a guide for training Structural Pest Control Operators (PCOs), this manual is designed to assist PCOs in solving pest problems and preparing for state certification. Insects and related arthropods and their control; rodents and their control; pest bird management; other pest

## PATC stored, processed, manufactured product pest control

animals; and weeds are covered. Pesticides, formulations, laws and regulations including the Minnesota Pesticide Control Law of 1976, labels, toxicity, human and environmental protection, application equipment, calibration, fumigants, and fumigation are discussed. Contains a glossary, multiple choice study questions and answers, and pictorial keys.

*NAL Call No.:* SB950.2.M6S77

### **Supplement to wood preservation and wood products treatment (S-27) : category 7F.**

Kansas State University. Cooperative Extension Service.

Manhattan, Kan. : Kansas State University, Cooperative Extension Service, [1988]. 16 p. : ill., map ; 28 cm.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control

*Abstract:* This manual modified from a Missouri publication supplements the Wood Preservation and Wood Products Treatment manual. It includes information on wood utility poles, illustrated step-by-step procedures for inspection and retreatment of poles, sample label and material safety data sheets (MSDS), and multiple choice study questions. This manual is for other than termite control wood preservation.

*NAL Call No.:* TA424.W662

### **A Training tape for termite control technicians.**

Purdue University; United States. Environmental Protection Agency; United States. Extension Service.

West Lafayette, Ind. : Purdue University, Dept. of Entomology, 1989. 4 videocassettes (62 min., 16 sec.) : sd., col. ; 1/2 in. + 4 transcripts.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control

*Abstract:* This introductory video training program

for termite control technicians consists of 4 tapes. Tape 1 describes the subterranean termites' life cycle, social behavior, and colony and signs of a termite infestation in a structure. Tape 2 shows how to properly conduct a termite inspection and explains what tools are needed, what to look for, where to look and how to record findings. Tape 3 discusses pesticide label information; the three categories of termiticides; chlorinated hydrocarbons, organophosphates, and synthetic pyrethroids; effective means of creating a complete chemical barrier; preventing groundwater contamination; pesticide hazards, protective clothing, equipment, and safety precautions. Tape 4 covers the four termite control strategies including mechanical procedures and soil treatment, wall void and wood treatment, and application equipment.

*NAL Call No.:* Videocassette no.909

### **Van Waters & Rogers Pest control library.**

Ehmann, Norman; Cherubini, Paul.

San Mateo, Calif. : Van Waters & Rogers, [197?-]. v. : ill. ; 28 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC wood destroying organisms; PATC regulatory pest control; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* Designed for pest control business owners, managers, and service technicians, these reference manuals provide information on the biology and control of common structural pests. Volume I Structural Pest Control Act and Volume XI Pesticides and Pesticide Safety contain valuable information for all pest controllers. True and false and/or multiple choice quizzes with answers reinforce material covered in each manual. A few manuals have glossaries.

*NAL Call No.:* SB950.V3

### **Wood preservation and wood products treatment.**

Applefield, Milton.

University of Georgia. Cooperative Extension Service. Rev. May 13, 1986.



## PATC stored, processed, manufactured product pest control

Athens, Ga. : University of Georgia, Cooperative Extension Service, [1986?]. 26 p. : ill. ; 28 cm. -- Bulletin (University of Georgia. Cooperative Extension Service) ; 823.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control

*Abstract:* This study guide for wood preservative and wood treated products applicators and handlers contains information on insect, fungi and marine borer identification, describes and illustrates their damage, and discusses control measures.

*NAL Call No.:* 275.29 G29B no.823 1986

### Wood preservation and wood products treatment.

Athens, Ga. : Cooperative Extension Service, The University of Georgia, College of Agriculture, 1984. iv, 52 p. : ill. ; 28 cm. -- Bulletin / University of Georgia. Cooperative Extension Service, |x 0092-9077 ; |v 823.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control

*Abstract:* This study guide for applicators engaged in wood preservation and wood products treatment provides information on insect, fungi and marine borer wood destroying organisms, their damage and measures used to control them, wood preservatives, safety and environmental protection.

*NAL Call No.:* 275.29 G29B no.823

### Wood preservation and wood products treatment : category 7F.

Kansas State University. Cooperative Extension Service.

Manhattan, Kan. : Cooperative Extension Service, Kansas State University, [1986]. 26 p. : ill. ; 28 cm.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC wood destroying organisms;

PATC stored, processed, manufactured product pest control

*Abstract:* Designed for commercial applicators and handlers of wood preservatives, this study guide covers the identification and control of wood-destroying pests other than termites, safe use of pesticides and preservatives, and environmental protection. It contains practice multiple choice questions, definitions, and additional sources of information.

*NAL Call No.:* TA424.W66

### Wood preservation and wood products treatment training manual.

Oregon State University. Extension Service.

Corvallis, Or. : Oregon State University Extension Service, [1989]. 12 p. ; 28 cm.

*Place of publication:* Oregon. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control

*Abstract:* This manual is designed to enable pesticide applicators to meet the state of Oregon and Federal regulations administered by the EPA for licensing and use of wood preservatives and wood pesticides. It identifies pests and fungi that damage wood and suggests chemical treatments, explains toxic effects of pesticides and suggests methods for environmental and human safety.

*NAL Call No.:* TA424.W58

### Wood preservatives : category 7E.

Lewis, Donald R.

Iowa State University. Cooperative Extension Service.

Ames, Iowa : Cooperative Extension Service, Iowa State University, 1986. 58 p. : ill. ; 28 cm.

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control

*Abstract:* Designed to supplement the Iowa Core Manual, IC-445, this manual assists individuals preparing for commercial applicator certification in

## PATC stored, processed, manufactured product pest control

termite and wood destroying organism control. It contains information on the biology, habits, damage, prevention and control of wood destroying insects including termites, carpenter ants, powder-post beetles, borers and wood decay fungi.

*NAL Call No.:* TA424.L4

### Wood preservatives for applicators.

United States. Environmental Protection Agency. Chicago, Ill. : U.S. Environmental Protection Agency, Region 5 Office of Public Affairs, 1987. 12 p. : ill. ; 22 cm.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control

*Abstract:* This EPA publication for applicators or handlers of wood preservatives of treated-wood products discusses federal regulations, reasons for treating wood, creosote, penta (oilborne preservatives) and inorganic arsenicals (waterborne preservatives), applying preservatives, harmful effects and symptoms associated with their use, required protective clothing and equipment, safety precautions, first-aid in case of accidents, disposal requirements and limitations on uses of treated wood.

*NAL Call No.:* TA424.W6

### Wood preserving chemicals and procedures.

Touse, Robert D.  
Ohio State University. Cooperative Extension Service.  
[Columbus, Ohio] : Ohio Cooperative Extension Service, Ohio State University, c1986. 14 p. : ill. ; 28 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 740.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control

*Abstract:* This publication provides information on wood preserving chemicals, pressure and nonpressure procedures for applying wood preservatives,

the structure of wood, and wood destroying insects and organisms. Includes personal safety measures requirements, and consumer information sheets on inorganic arsenical, pentachlorophenol, and creosote pressure-treated wood.

*NAL Call No.:* TA424.4.T6

### Working safely with penta.

Vulcan Chemicals.  
[S.l.] : Vulcan Chemicals, [198-?]. 18 p. : ill. ; 22 cm.

*Place of publication:* Unknown. *Language:* English.

*Descriptors:* PATC stored, processed, manufactured product pest control; PATC private sector produced material

*Abstract:* Vulcan Chemicals produced this booklet for pesticide applicators who use Penta (Pentachlorophenol) as a wood preservative. Safety tips and precautions are illustrated and discussed.

*NAL Call No.:* SB952.C44W6



## PATC vertebrate pest

### PATC vertebrate pest

#### **Ag wildlife damage : category 1C.**

Henderson, F. Robert.

Kansas State University. Cooperative Extension Service.

Manhattan, Kan. : Cooperative Extension Service, Kansas State University, [1987]. 52 p. : ill. ; 28 cm.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC vertebrate pest

*Abstract:* This commercial pesticide applicator study manual covers laws regulating the management of wildlife damage (caused by vertebrates not including man and domestic animals), wildlife diseases, and the prevention and control of damage caused by specific wildlife species. Practice multiple choice study questions follow each section.

*NAL Call No.:* SB993.44.K2H4

#### **Bird management manual.**

Pinto, Lawrence J.; Rambo, George W.

National Pest Control Association. Vertebrate Control Committee.

Dunn Loring, Va. : NPCA, c1982. iv, [158] p. (looseleaf) : ill. (some col.) ; 30 cm.

*Place of publication:* Virginia. *Language:* English.

*Descriptors:* PATC public health pest control; PATC vertebrate pest

*Abstract:* This manual, especially compiled for pest control operators (PCOs), is a resource for biological and behavioral information on the major bird pests as well as the economic impact and health hazards associated with bird pests. The legal responsibilities incurred when managing bird pests and the tools and methods used in bird management control, including habitat modification, exclusion, repellents, surveys, trapping and chemical control are described. The manual includes a section about bird management as a business and sample management programs. U.S. Fish and Wildlife Service District Offices, state natural resource agencies, bird control product labels and additional sources of information are listed in appendices.

*NAL Call No.:* SB995.N37

#### **Pesticide application and safety training study guide : agricultural-livestock pests.**

Metro-Pest Management Consultants, Inc; Colorado. Division of Plant Industry.

[Denver, Colo.] : Colorado Dept. of Agriculture, Division of Plant Industry, [1980]. 37, [3] p. : ill. ; 28 cm.

*Place of publication:* Colorado. *Language:* English.

*Descriptors:* PATC industrial pest control; PATC institutional, structural pest control; PATC vertebrate pest

*Abstract:* This Colorado study guide/manual contains the educational information needed by the commercial pesticide applicator to pass the written state certification examination in outdoor vertebrate pest control. The study guide focuses on vertebrates but excludes rats and mice. Control strategies developed for each pest include habitat manipulation, behavioral manipulation, and population reduction. The common pests discussed include bats, birds, moles, gophers, skunks, rabbits, squirrels, porcupines, prairie dogs, coyote, racoons, deer and snakes. Indexed toxicants (avicides and rodenticides) and fumigants--their use, history, characteristics, pharmacology, toxicity, and first aid treatment--are discussed. Colorado State Extension Service Offices' addresses and the Rocky Mountain Poison Control Center toll free telephone number are listed.

*NAL Call No.:* SF810.A3P47

#### **Procedures for evaluating predation on livestock and wildlife.**

Wade, Dale A.; Bowns, James E.

Rev.

[College Station, Tex.?] : Texas Agricultural Extension Service, [1984].

*Place of publication:* Texas. *Language:* English.

*Descriptors:* PATC vertebrate pest

*Abstract:* This Texas publication provides brief descriptions of damage caused by various predatory mammals and birds of the United States which prey on livestock and game animals. Includes a field guide of color photographs illustrating external and internal appearances of animals and car-

## PATC vertebrate pest

casses; illustrations of animal tracks; lists of North American carnivore species which prey on mammals and birds; and selected references.

*NAL Call No.:* 100 T31S (1) no.1429 1984

### **Small animal control manual.**

[Cheyenne, Wyo.? : Wyoming Dept. of Agriculture, 1989?]. 43 p. ; 28 cm.

*Place of publication:* Wyoming. *Language:* English.

*Descriptors:* PATC institutional, structural pest control; PATC vertebrate pest

*Abstract:* The primary purpose of this Wyoming state manual is to provide information to persons interested in becoming certified private or commercial applicators of pesticides used in rodent control. Background information, including descriptions of pesticide treated grain, rodent baits, strychnine, zinc phosphide, anti-coagulants, aluminum phosphide, magnesium phosphine, and gas cartridges include toxicity levels for various species. Control strategies include exclusion, repellent use, trapping or shooting as well as the chemical methods described.

*NAL Call No.:* SB994.R6S62

### **Vertebrate pest training manual.**

Montana. Environmental Management Division. [Rev.].  
Helena, Mont. : Montana Dept. of Agriculture, Environmental Management Division, [1990]. ii, 37 p. : ill. ; 28 cm.

*Place of publication:* Montana. *Language:* English.

*Descriptors:* PATC vertebrate pest

*Abstract:* Designed for individuals becoming licensed to use vertebrate pesticides, this manual provides general information on the species biology of Montana's vertebrate pests (field rodents, birds, livestock predators, nuisance bats and skunks) and the management techniques and pesticides used to control them. Endangered species and the environmental concerns associated with vertebrate pesticide use are discussed.

*NAL Call No.:* SB951.8.V47 1990



## PATC wood destroying organisms

### PATC wood destroying organisms

**Apply pesticides correctly : a guide for commercial applicators : industrial, institutional, structural and health related pest control.**

Wamsley, Mary Ann; Vermeire, Donna M.  
[Knoxville, Tenn.?] : University of Tennessee, Agricultural Extension Service in cooperation with U.S. Environmental Protection Agency, [1988?]. i, 15 p. : ill. ; 28 cm.

*Place of publication:* Tennessee. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* This training manual is for commercial pesticide applicators seeking certification in the industrial, institutional, structural and health related pest control categories in Tennessee. General insect pests are presented followed by: parasitic pests of man, occasional dwelling invaders, wood-destroying pests, stored product pests and vertebrate pests. Each type of pest is followed by suggested control treatments and methods of assessing the efficacy of the treatment.

*NAL Call No.:* SB952.8.A6

**Category 11 study questions for wood preservation and wood products treatment.**

University of Tennessee, Knoxville. Agricultural Extension Service.  
[Knoxville, Tenn.] : University of Tennessee, Agricultural Extension Service, [1984]. 11, [1] leaves ; 28 cm.

*Place of publication:* Tennessee. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control

*Abstract:* This self-test consists of 70 multiple choice study questions and answers based on information in the Wood Preservation and Wood Products Treatment manual.

*NAL Call No.:* TA424.W664

**Ground line inspection & preservative retreatment of standing wood utility poles.**

Pastoret, James.

Columbia, Mo. : School of Forestry, Fisheries and Wildlife, College of Agriculture, University of Missouri, [1987?]. 16 p. : ill., map ; 28 cm.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control

*Abstract:* This manual is a supplement to "Wood Products Pest Control" (Manual 101) in the state of Missouri. It covers retreatment methods and safety procedures for the preservation of standing wood utility poles.

*NAL Call No.:* TA424.4.P3

**Household insect control.**

Scheibner, R. A.

Rev. 9-85.

[Lexington, Ky.] : University of Kentucky, College of Agriculture, Cooperative Extension Service, [1985].

*Place of publication:* Kentucky. *Language:* English.

*Descriptors:* PATC general public and homeowners; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control

*Abstract:* This manual is for homeowners wishing to identify, control or eliminate insect pests in the home. Stored food, wood destroying, free foraging, fabric and paper, and nuisance pests as well as insects that bite or sting are cross referenced with materials that they attack. Recommended pesticides and remarks pertaining to pest management by Kentucky residents are included.

*NAL Call No.:* 275.29 K415E no.29

**Industrial, institutional, structural, and health related study questions.**

## PATC wood destroying organisms

Burgess, Gene.  
University of Tennessee, Knoxville. Agricultural  
Extension Service. [Rev.]  
[Knoxville, Tenn.] : University of Tennessee,  
Agricultural Extension Service, [1988?]. 31, [1] p. ;  
28 cm.

*Place of publication:* Tennessee. *Language:* English.

*Descriptors:* PATC wood destroying organisms;  
PATC stored, processed, manufactured product  
pest control; PATC industrial pest control; PATC  
institutional, structural pest control

*Abstract:* This manual is a compilation of multiple  
choice study questions designed to familiarize Ten-  
nessee pesticide applicants with industrial, institu-  
tional, structural and health related certification  
examination questions. Specific topics covered are  
common insects and arthropod pests, stored grain  
insects, fumigants, vertebrate pests, weeds, pes-  
ticide dilution formulation, and safety procedures.  
The answers are included.

*NAL Call No.:* SB950.2.T2C37 1988

### **Industrial, institutional, structural and health-related pest control.**

Rev. May, 1982.

Athens, Ga. : Cooperative Extension Service, Uni-  
versity of Georgia, College of Agriculture, [1982].

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC wood destroying organisms;  
PATC stored, processed, manufactured product  
pest control; PATC industrial pest control; PATC  
institutional, structural pest control; PATC public  
health pest control; PATC fumigation

*Abstract:* This manual is for those pesticide ap-  
plicators applying for certification in the state of  
Georgia as an Industrial, Institutional, Structural  
and Health Related Pest Control Applicator. This  
guide supplements the core manual, highlighting  
preventive sanitation, pest control and pesticides,  
safe use of pesticides and recognition, treatment  
and control of common pests. Pests are illustrated  
and described; management strategies are sugges-  
ted.

*NAL Call No.:* SB950.A1S62 no.17

### **Log home construction and maintenance tips : how to prevent decay and insects.**

Price, Terry S.; Williams, Lonnie H.; Amburgey,  
Terry L.

[Macon, Ga.?] : Georgia Forestry Commission,  
[1987]. 1 v. (unpaged) : ill. ; 22 cm.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC institutional, structural pest  
control; PATC wood destroying organisms; PATC  
general public and homeowners

*Abstract:* This pamphlet is designed to inform  
homeowners, log home dealers, and manufacturers  
of construction and maintenance techniques to  
prevent log home decay and insect infestation.  
Color photos of fungi and insect pests and their  
mode of entry aid identification. The Appendix  
provides chemical treatment measures for these  
structural pests.

*NAL Call No.:* TH4840.P7

### **[Miscellaneous study materials for com- mercial applicators].**

Arkansas. State Plant Board.

[Little Rock, Ark. : The Board, 1976?]. v. : ill. ;  
23-36 cm.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC plant agricultural pest; PATC  
ornamental, turf pest control; PATC wood destroy-  
ing organisms; PATC stored, processed, manufac-  
tured product pest control; PATC institutional,  
structural pest control; PATC fumigation

*Abstract:* This compilation of materials for persons  
desiring a license for Pest Control Service work in  
Arkansas includes: Arkansas State Plant Board  
Application for Pest Control Examination; some  
specific category requirements; notification of a  
regulation change; and various publications on  
food processing, structural, ornamental, turfgrass  
and forest pest control, rats and fumigation.

*NAL Call No.:* SB952.863.A82M5

### **[Miscellaneous study materials for com- mercial applicators].**

Ohio. Dept. of Agriculture Laboratories.



## PATC wood destroying organisms

[Columbus, Ohio : The Department, 1959-]. v. : ill. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC commercial core training; PATC plant agricultural pest; PATC ornamental, turf pest control; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC forest pest control; PATC public health pest control; PATC fumigation; PATC seed treatment; PATC demonstration, research

*Abstract:* These commercial applicator study materials include: general core information on Ohio pesticide regulations, Poison Control Centers, pesticide safety and toxicity, and groundwater protection; and information pertaining to the control of plant agricultural, forest, ornamental, turf, vertebrate (bird), structural (termite), public health (mosquito) and stored grain pests; fumigation; seed treatment; and demonstration and research.

NAL Call No.: SB952.863.O3M5

### Ohio insect information.

Ohio State University. Cooperative Extension Service.

Columbus, Ohio : Cooperative Extension Service, Ohio State University, [198-?- ]. v. : ill. ; 28 cm.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC public health pest control; PATC general public and homeowners

*Abstract:* These publications provide information on the identification, life cycle, habits, non-chemical and chemical control of insect pests including ornamental and turfgrass, wood destroying, stored grain, and public health pests and moles (insectivores). For homeowners and study material for Ohio commercial applicators.

NAL Call No.: SB934.5.O3O47

### Pest management principles for the commercial applicator : structural pest control study guide.

Pellitteri, Phil.

2nd ed.

Madison, Wis. : University of Wisconsin-Extension, Cooperative Extension, 1988. 29 p. ; 28 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC wood destroying organisms; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* This study guide accompanies "Pest management principles for the commercial applicator : structural pest control." It contains multiple choice questions and answers on a variety of subjects including laws and regulations, formulations, safety, application principles, and resistance to pesticides.

NAL Call No.: SB950.2.W6P442 1988

### Pest management principles for the commercial applicator : wood preservation pest control.

University of Wisconsin--Extension. Slightly rev. May 1988.

Madison, Wis. : University of Wisconsin-Extension], 1988. ca. 147 p. : ill. ; 30 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC wood destroying organisms; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* Training manual for commercial applicators in the wood preservation pest control category. Major topics: wood pests; wood preservatives; application of wood preservatives; toxicity of pesticides; protecting human health and the environment; disposal; consumer information sheets; and label information.

NAL Call No.: SB950.2.W6P4 1988

### Pest management principles for the commercial applicator : wood-destroying or-

## PATC wood destroying organisms

### ganisms.

Pellitteri, Phil; Neher, Nick; Flashinski, Roger.  
2nd ed.

[Madison, Wis. : University of Wisconsin-Extension, 1988]. 1 v. (various pagings) : ill. ; 30 cm.

*Place of publication:* Wisconsin. *Language:* English.

*Descriptors:* PATC commercial core training; PATC wood destroying organisms; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* Training manual for commercial pesticide applicators in the wood-destroying organisms pest control category. Major topics: wood decay in structures; termites; principles of insect control; application equipment and calibration; toxicity of pesticides; protecting human health and the environment; disposal; and label information. Includes study guide containing multiple choice questions.

*NAL Call No.:* SB950.2.W6W6 1988

### Pesticide application and safety training study guide : wood destroying organisms-control.

Metro-Pest Management Consultants, Inc; Colorado. Division of Plant Industry.  
[Denver, Colo.] : Colorado Dept. of Agriculture, Division of Plant Industry, [1980].

*Place of publication:* Colorado. *Language:* English.

*Descriptors:* PATC wood destroying organisms

*Abstract:* This Colorado study guide/manual contains the educational information needed by the pesticide applicator to pass the written state licensing examination in the wood destroying organisms-control category. The major wood destroying insects-termites, beetles, carpenter ants and bees and wood decay fungi are described and illustrated. Each pest description is followed by suggested control techniques and strategies. Chemical controls discussed include application and treatments made directly to the wood or soil, and void treatment. To further aid the identification process, a key containing descriptions of insect damage of wood and wood products is cross referenced to the damage causing insect. Colorado State Extension Service Offices' addresses and the Rocky Mountain

Poison Control Center toll free telephone number are listed.

*NAL Call No.:* SB945.T45P48

### Pesticide applicator training : [category 7].

Purdue University.

[West Lafayette, Ind.] : Purdue University, [1988-]. v. : ill. (some col.), maps ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC right-of-way pest control; PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC institutional, structural pest control; PATC public health pest control; PATC fumigation

*Abstract:* Five manuals cover the six divisions of Pesticide Applicator Training Category 7. Four manuals prepare commercial pesticide applicators for certification. One manual (7bRT) prepares wood destroying organism technicians for registration. This broad category encompasses the identification and control of industrial, institutional, and health related pests, wood destroying pests, stored food, and common household pests. Pesticide selection, labels, safety, protective equipment, application, calibration, fumigation, toxicity and environmental protection are discussed.

*NAL Call No.:* SB951.P4629

### Pesticide applicator training : [wood preservative pest control].

Purdue University.

[West Lafayette, Ind.?] : Purdue University, [198-?]. 1 v. (various pagings) : ill. ; 30 cm.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC institutional, structural pest control; PATC stored, processed, manufactured product pest control

*Abstract:* This wood preservatives pest control manual includes in-depth materials on wood preservation and wood products treatment, pesticide label interpretation, toxicity, protective equipment, disposal, safety, and on the Indiana



## PATC wood destroying organisms

Pesticide Use and Application Law. It contains thorough discussions of the wood preservatives CREOSOTE, tar products, pentachlorophenol, and inorganic arsenals. Material Safety Data Sheets (MSDS) and specimen labels are provided on POL-NU PAK, OSMOSE, Wolmanac Concentrate 50% and CREOSOTE OIL. Glossaries appear throughout the materials.

*NAL Call No.:* SB951.P4634

### **Pole framing, piling applications and railroad tie repair.**

American Wood Preservers Institute.  
[Vienna, Va.] : The Institute, [1986?]. 1 videocassette (13 min.) : sd., col. ; 1/2 in. + training manual.

*Place of publication:* Virginia. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC private sector produced material

*Abstract:* This EPA approved audiovisual training program discusses EPA requirements for creosote use by applicators for pole framing, piling applications, and railroad tie repair. Major topics covered include: the three avenues of exposure; protective gear; handling overexposure, fire, spills and medical emergencies; and proper disposal procedures.

*NAL Call No.:* Videocassette no.762

### **The preservation of wood : a self study program for wood treaters.**

Stalker, Ian N.; Applefield, Milton.  
Georgia. Dept. of Agriculture.  
Athens, Ga. : Cooperative Extension Service, University of Georgia, College of Agriculture, [1986]. iii, 128 p. : ill. ; 28 cm.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC wood destroying organisms

*Abstract:* This manual is a self study program for recertification in the category of wood treaters. It includes a self test.

*NAL Call No.:* TA422.S7

### **Preventing termite damage.**

Johnson, Donald R.  
[Little Rock, Ark.?] : Cooperative Extension Service, University of Arkansas, U.S. Dept. of Agriculture and County Governments Cooperating, [1989]. -- EL (University of Arkansas, Fayetteville. Cooperative Extension Service ; 314.

*Place of publication:* Arkansas. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC institutional, structural pest control

*Abstract:* This pamphlet is written for those concerned with possible termite damage, building contractors and pesticide applicators. It discusses soil treatment chemicals that can be used prior to construction as well as treatment possibilities for infested conventional and slab constructed buildings. Recommendations for prevention include the use of treated lumber in the state of Arkansas.

*NAL Call No.:* 279.29 Ar4Le no.314

### **Recertification manual for commercial pesticide applicators : indoor pest control, categories 7a, 7b, 7c, 7d, 8.**

Landis, Joy Neumann; Olsen, Larry G.; Strickler, Karen L.

Michigan State University. Cooperative Extension Service.

East Lansing, Mich. : Michigan State University, Cooperative Extension Service, [1989]. 46 p. ; 28 cm. -- Extension bulletin (Michigan State University. Cooperative Extension Service) ; E-2171.

*Place of publication:* Michigan. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC institutional, structural pest control; PATC recertification

*Abstract:* This manual is designed as a study guide for those commercial pesticide applicators renewing their indoor pest control license. The guide is divided into ten parts; four covering the identification and management of pests and six covering pesticide use, toxicity, labelling, application, safety precautions, federal and state laws and regulations. Review questions follow each chapter. Pesticide emergency information guide with poison control center phone numbers is included.

## PATC wood destroying organisms

NAL Call No.: 275.29 M58B no.2171

### Service technician's manual.

National Pest Control Association. Education Committee. Rev. 1986.

Dunn Loring, Va. : The Association, 1986. vii, 154 p. : ill. ; 23 cm.

*Place of publication:* Virginia. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control; PATC industrial pest control; PATC institutional, structural pest control

*Abstract:* The National Pest Control Association Service Technician's Manual is intended to serve as both an orientation manual and field reference manual. Major topics covered are: the basic steps of pest control; federal laws and regulations affecting structural pest control; the pesticide label; pesticides and how to use them safely and effectively; vertebrate, insect and related pests; insect control equipment; safety and environmental concerns. The manual contains chapter review questions, emergency first-aid measures for poisoning, and illustrations accompanying insect descriptions.

NAL Call No.: SB951.S47 1986

### Special utility training manual.

Montana. Dept. of Agriculture.

Helena, Mont. : Montana Dept. of Agriculture, Environmental Management Division, [1990]. iii, 60 p. : ill. ; 28 cm.

*Place of publication:* Montana. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC right-of-way pest control; PATC stored, processed, manufactured product pest control

*Abstract:* Designed primarily as a study guide for public utility applicators of herbicides and wood preservatives on utility right-of-ways, this manual includes information on weeds, chemical and alternate weed control methods, environmental factors affecting herbicide action, wood treatment, wood preservatives, toxicity, safety, and environmental hazards associated with the use of herbicides and wood preservatives.

NAL Call No.: SB951.4.S632

### Supplement to wood preservation and wood products treatment (S-27) : category 7F.

Kansas State University. Cooperative Extension Service.

Manhattan, Kan. : Kansas State University, Cooperative Extension Service, [1988]. 16 p. : ill., map ; 28 cm.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control

*Abstract:* This manual modified from a Missouri publication supplements the Wood Preservation and Wood Products Treatment manual. It includes information on wood utility poles, illustrated step-by-step procedures for inspection and retreatment of poles, sample label and material safety data sheets (MSDS), and multiple choice study questions. This manual is for other than termite control wood preservation.

NAL Call No.: TA424.W662

### Termite and wood destroying insects, category 7B.

Alm, Steven R.; Siligato, Peggy.

Kingston, R.I. : University of Rhode Island, Cooperative Extension, College of Resource Development, [1991]. 1 v. (unpaged) ; 28 cm.

*Place of publication:* Rhode Island. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC institutional, structural pest control

*Abstract:* Designed to prepare commercial applicators for certification in termite and wood destroying insect pest control in Rhode Island, this study packet contains lists of: suggested references; commonly used pesticides, common structural insects and vertebrate pests and their chemical and non-chemical controls, and equipment which these applicators should be familiar with; subject areas they should be proficient in; and continuing education resources. Termiticide information, sample labels and Material Safety Data Sheets are provided.



## PATC wood destroying organisms

*NAL Call No.:* SB945.T45T38

### **Termite control : category 7B : a guide for commercial pesticide applicators.**

Lewis, Donald R.

Iowa State University. Cooperative Extension Service. Rev.

Ames, Iowa : Cooperative Extension Service, Iowa State University, 1987. 21 p. : ill. ; 28 cm.

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC institutional, structural pest control

*Abstract:* This commercial applicator certification training manual which supplements the Iowa Core Manual, IC-445, contains information on wood preservatives, wood destroying organisms these chemicals protect against and control, safe application procedures for wood preservative use, protective clothing, protecting treated-wood consumers and the environment. Includes sample wood preservative labels, Material Safety Data Sheets (MSDS), consumer awareness program consumer information sheets, list of acceptable protective equipment, and a glossary.

*NAL Call No.:* SB945.T45S7 1987

### **Termite control : practices & procedures.**

Velsicol Chemical Corp; Plaid Communications (Firm).

[Illinois?] : Velsicol Chemical Corporation, 1987. 1 videocassette (39 min., 57 sec.) : sd., col. ; 1/2 in.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC institutional, structural pest control; PATC private sector produced material

*Abstract:* This training videocassette for termite control pesticide applicators examines safe procedures and practices for applying termiticides. It explains recommended application rates and methods. A comprehensive picture of the termite controller's responsibilities is provided. These responsibilities entail understanding labels, wearing protective clothing, handling pesticides properly, preventing water contamination, and complying with regulations. Methods for treating concrete slab structures and buildings with crawl

space for termites and pre-construction termite control are discussed. [Note: chlordane is no longer available for use].

*NAL Call No.:* Videocassette no.910

### **Termite pest control including other wood-damaging pests, manual 96.**

Sanders, Darryl.

Rev. August 1987.

Columbia, Mo. : University Extension, University of Missouri, 1987. 1 v. (various pagings) : ill. ; 28 cm.

*Place of publication:* Missouri. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC institutional, structural pest control

*Abstract:* This manual is intended to convey the information needed to pass the termite pest control examination for licensing commercial pesticide applicators in Missouri. The primary focus is on termites and termite control but other wood damaging pests, including beetles, carpenter ants, carpenter bees, and wood decay fungi are included. Cross reference charts to aid in identification of pests by the type of damage caused and treatments are provided. Agricultural guides on termites, wood-damaging beetles, carpenter ants and carpenter bees supplement the manual.

*NAL Call No.:* SB950.2.M8T47 1987

### **Termites : conditions conducive to infestation.**

Granovsky, Theodore Alexander, 1945-.

Granovsky Associates, Inc.

[Bryan, Tex.] : Granovsky Associates, 1988. 1 videocassette (51 min.) : sd., col. ; 1/2 in. + 1 workbook (32 p.) + 2 books + 1 folded sheet.

*Place of publication:* Texas. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC institutional, structural pest control; PATC private sector produced material

*Abstract:* Designed for pest control technicians, this videotape, accompanying workbook, and publications, discuss various conditions conducive to termite infestations. The training program covers problem areas of different construction styles and

## PATC wood destroying organisms

demonstrates ways termites enter structures and how to inspect for their presence. It reviews equipment used to conduct an inspection. The workbook contains a glossary, line drawings of construction types, and section sentence completion and true and false quizzes with answers.

*NAL Call No.:* Videocassette no.914

### **Training material for commercial/non-commercial pesticide applicators. 12, Timber treating.**

Oklahoma State University. Cooperative Extension Service.

[Stillwater, Okla.] : Cooperative Extension Service, Oklahoma State University, 1988]. 1 portfolio : ill. ; 34 cm.

*Place of publication:* Oklahoma. *Language:* English.

*Descriptors:* PATC wood destroying organisms

*Abstract:* This packet of material for certification preparation includes publications on environmental effects of timber treatments, safety, and University of Georgia's self study on preservation of wood.

*NAL Call No.:* SB950.2.O5T74

### **A Training tape for termite control technicians.**

Purdue University; United States. Environmental Protection Agency; United States. Extension Service.

West Lafayette, Ind. : Purdue University, Dept. of Entomology, 1989. 4 videocassettes (62 min., 16 sec.) : sd., col. ; 1/2 in. + 4 transcripts.

*Place of publication:* Indiana. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control

*Abstract:* This introductory video training program for termite control technicians consists of 4 tapes. Tape 1 describes the subterranean termites' life cycle, social behavior, and colony and signs of a termite infestation in a structure. Tape 2 shows how to properly conduct a termite inspection and explains what tools are needed, what to look for, where to look and how to record findings. Tape 3

discusses pesticide label information; the three categories of termiticides; chlorinated hydrocarbons, organophosphates, and synthetic pyrethroids; effective means of creating a complete chemical barrier; preventing groundwater contamination; pesticide hazards, protective clothing, equipment, and safety precautions. Tape 4 covers the four termite control strategies including mechanical procedures and soil treatment, wall void and wood treatment, and application equipment.

*NAL Call No.:* Videocassette no.909

### **Van Waters & Rogers Pest control library.**

Ehmann, Norman; Cherubini, Paul.

San Mateo, Calif. : Van Waters & Rogers, [197?-]. v. : ill. ; 28 cm.

*Place of publication:* California. *Language:* English.

*Descriptors:* PATC ornamental, turf pest control; PATC wood destroying organisms; PATC regulatory pest control; PATC stored, processed, manufactured product pest control; PATC institutional, structural pest control; PATC public health pest control

*Abstract:* Designed for pest control business owners, managers, and service technicians, these reference manuals provide information on the biology and control of common structural pests. Volume I Structural Pest Control Act and Volume XI Pesticides and Pesticide Safety contain valuable information for all pest controllers. True and false and/or multiple choice quizzes with answers reinforce material covered in each manual. A few manuals have glossaries.

*NAL Call No.:* SB950.V3

### **Wood damaging pest control : category 7A.**

Bertholf, Judy; McKinzie, Steven.

Kansas State University. Cooperative Extension Service. Rev.

Manhattan, Kan. : Cooperative Extension Service, Kansas State University, [1986]. 31 p. : ill. ; 28 cm.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC wood destroying organisms



## PATC wood destroying organisms

*Abstract:* This study manual for commercial pesticide applicators explains how to identify, recognize damage caused by, and control termites and other wood damaging pests. It includes information on the selection, proper application and safe use of termiticides and fumigants, protective clothing and respiratory devices. It contains a key to insect damage of wood, practice multiple choice study questions, and construction diagrams.

*NAL Call No.:* SB950.2.K2G32 1986

### Wood preservation and wood products treatment.

Applefield, Milton.

University of Georgia. Cooperative Extension Service. Rev. May 13, 1986.

Athens, Ga. : University of Georgia, Cooperative Extension Service, [1986?]. 26 p. : ill. ; 28 cm. -- Bulletin (University of Georgia. Cooperative Extension Service) ; 823.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control

*Abstract:* This study guide for wood preservative and wood treated products applicators and handlers contains information on insect, fungi and marine borer identification, describes and illustrates their damage, and discusses control measures.

*NAL Call No.:* 275.29 G29B no.823 1986

### Wood preservation and wood products treatment.

Athens, Ga. : Cooperative Extension Service, The University of Georgia, College of Agriculture, 1984. iv, 52 p. : ill. ; 28 cm. -- Bulletin (University of Georgia. Cooperative Extension Service) ; 823.

*Place of publication:* Georgia. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control

*Abstract:* This study guide for applicators engaged in wood preservation and wood products treatment provides information on insect, fungi and marine

borer wood destroying organisms, their damage and measures used to control them, wood preservatives, safety and environmental protection.

*NAL Call No.:* 275.29 G29B no.823

### Wood preservation and wood products treatment : category 7F.

Kansas State University. Cooperative Extension Service.

Manhattan, Kan. : Cooperative Extension Service, Kansas State University, [1986]. 26 p. : ill. ; 28 cm.

*Place of publication:* Kansas. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control

*Abstract:* Designed for commercial applicators and handlers of wood preservatives, this study guide covers the identification and control of wood-destroying pests other than termites, safe use of pesticides and preservatives, and environmental protection. It contains practice multiple choice questions, definitions, and additional sources of information.

*NAL Call No.:* TA424.W66

### Wood preservation and wood products treatment training manual.

Oregon State University. Extension Service.

Corvallis, Or. : Oregon State University Extension Service, [1989]. 12 p. ; 28 cm.

*Place of publication:* Oregon. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control

*Abstract:* This manual is designed to enable pesticide applicators to meet the state of Oregon and Federal regulations administered by the EPA for licensing and use of wood preservatives and wood pesticides. It identifies pests and fungi that damage wood and suggests chemical treatments, explains toxic effects of pesticides and suggests methods for environmental and human safety.

*NAL Call No.:* TA424.W58

## PATC wood destroying organisms

### Wood preservatives : category 7E.

Lewis, Donald R.

Iowa State University. Cooperative Extension Service.

Ames, Iowa : Cooperative Extension Service, Iowa State University, 1986. 58 p. : ill. ; 28 cm.

*Place of publication:* Iowa. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control

*Abstract:* Designed to supplement the Iowa Core Manual, IC-445, this manual assists individuals preparing for commercial applicator certification in termite and wood destroying organism control. It contains information on the biology, habits, damage, prevention and control of wood destroying insects including termites, carpenter ants, powder-post beetles, borers and wood decay fungi.

*NAL Call No.:* TA424.L4

### Wood preservatives for applicators.

United States. Environmental Protection Agency.

Chicago, Ill. : U.S. Environmental Protection Agency, Region 5, Office of Public Affairs, 1987. 12 p. : ill. ; 22 cm.

*Place of publication:* Illinois. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control

*Abstract:* This EPA publication for applicators or handlers of wood preservatives of treated-wood products discusses federal regulations, reasons for treating wood, creosote, penta (oilborne preservatives) and inorganic arsenicals (waterborne preservatives), applying preservatives, harmful effects and symptoms associated with their use, required protective clothing and equipment, safety precautions, first-aid in case of accidents, disposal requirements and limitations on uses of treated wood.

*NAL Call No.:* TA424.W6

### Wood preserving chemicals and procedures.

Touse, Robert D.

Ohio State University. Cooperative Extension Service.

[Columbus, Ohio] : Ohio Cooperative Extension Service, Ohio State University, c1986. 14 p. : ill. ; 28 cm. -- Bulletin (Ohio State University. Cooperative Extension Service) ; 740.

*Place of publication:* Ohio. *Language:* English.

*Descriptors:* PATC wood destroying organisms; PATC stored, processed, manufactured product pest control

*Abstract:* This publication provides information on wood preserving chemicals, pressure and nonpressure procedures for applying wood preservatives, the structure of wood, and wood destroying insects and organisms. Includes personal safety measures requirements, and consumer information sheets on inorganic arsenical, pentachlorophenol, and creosote pressure-treated wood.

*NAL Call No.:* TA424.4.T6





## **Alternate Media Index**

### **CD-ROM**

Pest-bank. --- 268

### **Chart**

Be safe with pesticides : this poster will tell you about pesticides and how to be safe with pesticides at work and at home = Use pesticidas con cuidado : este cartel le dar a información sobre los pesticidas y como usarlos con cuidado en el trabajo y en la casa. --- 8

Ounce calibration. --- 45

Protective clothing for pesticide users. --- 58

Ropa protectora para los que usan pesticidas --- 60

### **Computer Files**

PEST [computer file] : Pesticide Education Safety and Training Hypermedia System. --- 63

Sprayer calibration templates. --- 63

### **Kit**

Are you spraying more than pests? : pilot project. --- 31

Recognition of major diseases of fruits and vegetables. --- 188

### **Slide**

Always wear the right stuff : personal pesticide protection. --- 29

The calibration of homeowner chemical application equipment. --- 95

Chemigation calibration. --- 126

Chemigation equipment. --- 25

Closed systems for handling liquid pesticides : improved safety for pesticide applicators. --- 33

Commercial and private pesticide applicator core manual slide set. --- 33

Demonstration and research pest control. --- 70

The fate of pesticides in the environment. --- 36

Hazardous waste management for pesticide applicators. --- 39



## **Alternate Media Index**

- A Homeowner's guide to outdoor pesticide safety. --- 98
- Illinois pesticide applicator training and certification program. --- 207
- Management of pesticide poisoning. --- 264
- Management of pesticide poisonings : a guide for physicians. --- 264
- Management of pesticide poisonings : guide for emergency personnel. --- 264
- Pesticide applicator training. --- 213
- Pesticide poisoning signs & symptoms. --- 55
- Pesticides : a guide for farm workers. --- 10
- Safe handling of pesticides. --- 61
- El Uso seguro de los pesticidas. --- 65

### **Transparency**

- Pesticide exposure. --- 216
- Pesticide performance. --- 216

### **Videorecording**

- The Aerial applicator's growing role. --- 2
- Ag chemical emergency response : a firefighter's guide. --- 160
- Be prepared-- just in case : a video guide to the safe transportation of pesticides. --- 254
- Biopesticides : toward a cleaner environment. --- 68
- Calibrating your field sprayer. --- 32
- Contingency planning : your key to crisis management. --- 160
- El Entrenamiento de los trabajadores del invernadero sobre el uso de los pesticidas. --- 35
- Farm chemical safety is in your hands. --- 14
- Farmwork pesticide safety program : Uso seguro de pesticidas para los trabajadores del campo. --- 8
- Ground water and agricultural chemicals : understanding the issues. --- 4
- Ground water and agricultural chemicals : understanding the issues. --- 160
- How to select and safely use herbicides. --- 140

## Alternate Media Index

- Integrated pest management. --- 263
- Integrated pest management. --- 179
- On target. --- 145
- On-farm ag chemical safety. --- 100
- Pesticide applicator safety. --- 268
- Pesticide registration : what it is, how it works. --- 162
- Pesticide safety for non-certified mixers, loaders, and applicators : Uso seguro de pesticidas para mezcladores, cargadores, y aplicadores no certificados. --- 130
- Pesticide safety in the greenhouse. --- 55
- Pesticide safety in the landscape. --- 152
- Pesticide storage for farms and businesses. --- 55
- Plant problem diagnosis. --- 187
- Pole framing, piling applications and railroad tie repair. --- 236
- Professional turf management. --- 153
- Protecting groundwater from pesticides. --- 57
- Protecting water, protecting crops : pesticides and water quality. --- 58
- Protecting water quality : best management practices. --- 271
- Safe chemical handling and environmental protection. --- 163
- Safe use of pesticides and disinfectants in the poultry industry. --- 75
- Safe use of pesticides in interiorscapes : a video training program. --- 154
- Safe work : healthy babies = Trabajos sin riesgos : niños sanos. --- 11
- Safety : self-contained breathing apparatus and canister-type gas masks. --- 92
- Signs and symptoms of pesticide poisoning. --- 62
- Site assessment : where do I stand? --- 163
- Supervisor's development program : safety inspections. --- 273
- Termite control : practices & procedures. --- 124
- Termites : conditions conducive to infestation. --- 124
- Toxicology of pesticides ; Chronic health effects of pesticides. --- 63



## Alternate Media Index

- Training greenhouse workers to handle pesticides safely. --- 11
- Training greenhouse workers to handle pesticides safely. --- 11
- A Training tape for termite control technicians. --- 303
- El Uso seguro de los pesticidas dentro del invernadero. --- 65
- Uso seguro de pesticidas y desinfectantes en la industria avícola. --- 76
- What the wary ones wear. --- 66
- Working with pesticides : a video safety course. --- 159

## **PATC Additional Language Index**

### **English and Japanese**

Training greenhouse workers to handle pesticides safely (Japanese ed.). --- 11

### **English and Spanish**

Be safe with pesticides : this poster will tell you about pesticides and how to be safe with pesticides at work and at home = Use pesticidas con cuidado : este cartel le dar a información sobre los pesticidas y como usarlos con cuidado en el trabajo y en la casa. --- 8

Farmwork pesticide safety program : Uso seguro de pesticidas para los trabajadores del campo. --- 8

Pesticide safety for non-certified mixers, loaders, and applicators : Uso seguro de pesticidas para mezcladores, cargadores, y aplicadores no certificados. --- 130

Pesticide safety for non-certified mixers, loaders and applicators : Uso seguro de pesticidas para mezcladores, cargadores y aplicadores no certificados. --- 130

Pesticides in agriculture : learn your rights and protect your health = Pesticidas en la agricultura : conozca sus derechos y proteja su salud. --- 10

Safe work : healthy babies = Trabajos sin riesgos : niños sanos. --- 11

Spanish in the field : practical Spanish for ranchers, farmers, or vinters. --- 272

Work smart-- work safely-- with farm chemicals : Trabaje concientemente-- trabaje con cautela-- cuando trabaje con productos químicos para la agricultura --- 11.

### **Spanish**

El Entrenamiento de los trabajadores del invernadero sobre el uso de los pesticidas. --- 35

Ropa protectora para los que usan pesticidas. --- 60

El Uso seguro de los pesticidas. --- 65

El Uso seguro de los pesticidas dentro del invernadero. --- 66

Uso seguro de pesticidas y desinfectantes en la industria avícola. --- 76





# **APPENDIX A**







## DOCUMENT DELIVERY SERVICES TO INDIVIDUALS

The National Agricultural Library (NAL) has a unique responsibility to supply copies of agricultural materials not found elsewhere.

Filling requests for materials readily available from other sources would divert NAL's resources and diminish its ability to serve as a national source for agricultural and agriculturally related materials. Therefore, NAL should be viewed as a library of last resort and individuals should submit requests first to local or state sources prior to sending to NAL. In the United States, possible sources are public libraries, land-grant university or other large research libraries within a state. Individuals in other countries should submit requests through major university, national, or provincial institutions.

If the needed publications are not available from these sources, the requests may be submitted to NAL with a statement indicating their non-availability. Submit one request per page following the instructions for libraries below.

### NAL's DOCUMENT DELIVERY SERVICE INFORMATION FOR THE LIBRARY

The following information is provided to assist your librarian in obtaining the required materials.

**LOAN SERVICE** – Materials in NAL's collection are loaned only to other U.S. libraries. Requests for loans should be made through local public, academic, or special libraries.

The following materials are not available for loan: serials (except USDA serials); rare, reference, and reserve books; microforms; and proceedings of conferences or symposia. Photocopy or microform of non-circulating publications may be purchased as described below.

**DOCUMENT DELIVERY SERVICE** – Photocopies of articles are available for a fee. Requests must be made through local public, academic, or special libraries. The library should submit a separate interlibrary loan form for each article or item requested. If the citation is from an NAL database (CAIN/AGRICOLA, *Bibliography of Agriculture*, or the NAL Catalog) and the call number is given, that call number should be listed in the proper block on the request form. Willingness to pay charges must be indicated on the form. Compliance with copyright law or a statement that the article is for "research purposes only" must be included on the interlibrary loan form. Requests cannot be processed without these statements.

#### Charges:

- Photocopy, hard copy of microfilm and microfiche – \$5.00 for the first 10 pages or fraction copied from a single article or publication. \$3.00 for each additional 10 pages or fraction.
- Duplication of NAL-owned microfilm – \$10.00 per reel.
- Duplication of NAL-owned microfiche – \$ 5.00 for the first fiche and \$ .50 for each additional fiche per title.

**Billing** – Charges include postage and handling, and are subject to change. Invoices are issued quarterly by the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA 22161. Requesters are encouraged to establish deposit accounts with NTIS. **DO NOT SEND PREPAYMENT.**

#### Send Requests to:

USDA, National Agricultural Library  
Lending Branch, ILL, 6th Floor  
Beltsville, Maryland 20705-2351

Questions concerning these services may be made by correspondence to Head, Lending Branch or by telephone (301) 344-3755.







## **Document Delivery Services Available to Libraries, Other Information Centers and Commercial Organizations.**

The National Agricultural Library (NAL) accepts requests from libraries and other organizations in accordance with the national and international interlibrary loan code and guidelines.

In its national role, NAL has a responsibility to supply copies of agricultural materials not found elsewhere. Filling requests for materials readily available from other sources would divert NAL's resources and diminish its ability to serve as a national source for agricultural and agriculturally related materials. Therefore, NAL should be viewed as a library of last resort.

Requesters should submit requests first to state/region/network sources prior to sending to NAL. Within the United States, possible sources are public libraries, land-grant university libraries or other large research libraries within a state. Requesters in other countries should try major university, national or provincial institutions. If the needed publications are not available from these sources, the requests may be submitted to NAL with a statement indicating their non-availability.

**REQUESTS** — Submit requests on the American Library Association (ALA) or the International Federation of Library Associations and Institutions (IFLA) interlibrary loan form or via electronic mail (see over for more details). Include the complete name of the person authorizing the request on each form; the standard bibliographic source which lists the title as owned by NAL; and the call number if the citation is from an NAL database (CAIN/AGRICOLA, *Bibliography of Agriculture*, or the NAL catalog).

**LOAN SERVICE** — Materials in the NAL collection are loaned only to U.S. libraries. The loan period is one month unless a shorter period is indicated on the due slip. The loan may be renewed for an additional month if there is no reserve request. Renewal requests may be made in writing or by telephone prior to the due date. The borrowing library is responsible for the material from time of dispatch for any loss or damage incurred.

The following materials are not available for loan: serials (except for USDA serials); rare, reference, and reserve books; microforms; and proceedings of conferences or symposia. Photocopy or microform of the non-circulating publications will be supplied automatically (as described below) if the requesting organization indicates that this is acceptable on the loan request form.

**DOCUMENT DELIVERY SERVICE** — Submit a separate completed interlibrary loan form for each article requested. Indicate willingness to pay charges on the form, and compliance with copyright law or include a statement that the article is for "research purposes only". Requests cannot be processed without these statements.

### **Charges:**

- Photocopy, hard copy of microfilm and microfiche — \$5.00 for the first 10 pages or fraction copied from a single article or publication. \$3.00 for each additional 10 pages or fraction.
- Duplication of NAL-owned microfilm — \$10.00 per reel.
- Duplication of NAL-owned microfiche — \$5.00 for the first fiche and \$.50 for each additional fiche per title.

**BILLING** — Charges include postage and handling, and are subject to change. Invoices are issued quarterly by the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA 22161. Requesters are encouraged to establish deposit accounts with NTIS. **DO NOT SEND PREPAYMENT.**

### **Send Requests to:**

USDA, National Agricultural Library  
Lending Branch, ILL, 6th Floor  
Beltsville, Maryland 20705-2351

Questions concerning these services may be made by correspondence to Head, Lending Branch or by telephone (301) 344-3755.





## ELECTRONIC ACCESS FOR INTERLIBRARY LOAN (ILL) REQUESTS

The National Agricultural Library (NAL), Lending Branch accepts ILL requests from libraries via several electronic services. All requests must comply with established routing and referral policies and procedures. The transmitting library will pay all fees incurred during the creation of requests and communication with NAL. A sample format for ILL requests is printed below along with a list of the required data/format elements.

### ELECTRONIC MAIL — (Sample form below)

<u>SYSTEM</u>	<u>ADDRESS CODE</u>
ALANET .....	ALA1031 (SYSTEM 41)
BITNET .....	LENDINGBR@UMDARS
DIALCOM .....	NALLENDING AGS3058 (SYSTEM 57)
EASYLINK .....	62031265
ONTYME .....	NAL/LB
SprintMail .....	NALLENDING
TWX/TELEX.....	Number is 710-828-0506 NAL LEND. This number may only be used for ILL requests.
OCCLC .....	NAL's symbol AGL need only be entered once, but it must be the LAST entry in the Lender string. Requests from USDA and Federal libraries may contain AGL anywhere in the Lender string.

#### SAMPLE ELECTRONIC MAIL REQUEST

AG University/NAL ILLRQ 231 9/1/88 NEED BY: 10/1/88

Interlibrary Loan Department  
Agriculture University Library  
Heartland, IA 56789

Dr. Jones Faculty Ag School

Canadian Journal of Soil Science 1988 v 68(1): 17-27

DeJong, R. Comparison of two soil-water models under semi-arid growing conditions

Ver: AGRICOLA

Remarks: Not available at IU or in region.

NAL CA: 56.8 C162

Auth: C. Johnson CCL Maxcost: \$10.00

MORE

**TELEFACSIMILE** - Telephone number is 301-344-3675. NAL accepts ILL requests via telefacsimile. Requests should be created on standard ILL forms and then faxed to NAL. NAL does not fill requests via Fax at this time.

#### REQUIRED DATA ELEMENTS/FORMAT

1. Borrower's address must be in block format with at least two blank lines above and below so form may be used in window envelopes.
2. Provide complete citation including verification, etc.
3. Provide authorizing official's name (request will be rejected if not included).
4. Include statement of copyright compliance if applicable.
5. Indicate willingness to pay applicable charges.
6. Include NAL call number if available.

Contact the Lending Branch at (301) 344-3755 if additional information is required.



## **Document Delivery Services Available to Foreign Libraries, Information Centers and Commercial Organizations.**

The National Agricultural Library (NAL) accepts requests from libraries and other organizations in accordance with the national and International Interlibrary loan code and guidelines.

In its national role, NAL has a responsibility to supply copies of agricultural materials not found elsewhere. Filling requests for materials readily available from other sources would divert NAL's resources and diminish its ability to serve as a national source for agricultural and agriculturally related materials. Therefore, NAL should be viewed as a library of last resort.

Requesters should submit requests to major university libraries, national or provincial institutions or network sources prior to sending requests to NAL. If the needed publications are not available from these sources, the requests may be submitted to NAL with a statement indicating their non-availability.

**AGLINET** — NAL encourages requesters in countries with an AGLINET library to make full use of that library and its networking capabilities. As an AGLINET participant, NAL provides free document delivery service for materials published in the United States to AGLINET participants.

**REQUESTS** — Submit requests on the American Library Association (ALA) or the International Federation of Library Associations and Institutions (IFLA) Interlibrary loan form or via electronic mail or telefacsimile (see over for more details). Include the complete name of the person authorizing the request on each form; the standard bibliographic source which lists the title as owned by NAL; and the call number if the citation is from an NAL database (CAIN/AGRICOLA, *Bibliography of Agriculture*, or the NAL catalog).

Many agricultural publications are available for loan from the Library of Congress (LC). Request materials by submitting an ALA or IFLA request form directly to — Library of Congress, Loan Division, Interlibrary Loans, Washington, DC 20540.

**DOCUMENT DELIVERY SERVICE** — Submit a separate completed interlibrary loan form for each article requested. Indicate willingness to pay charges on the form, and compliance with copyright law or include a statement that the article is for "research purposes only". Requests cannot be processed without these statements.

### **Charges:**

- Photocopy, hard copy of microfilm and microfiche — \$5.00 for the first 10 pages or fraction copied from a single article or publication. \$3.00 for each additional 10 pages or fraction.
- Duplication of NAL-owned microfilm — \$10.00 per reel.
- Duplication of NAL-owned microfiche — \$5.00 for the first fiche and \$ .50 for each additional fiche per title.

**BILLING** — Charges include postage and handling, and are subject to change. Invoices are issued quarterly by the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA 22161. Requesters are encouraged to establish deposit accounts with NTIS. Foreign institutions may request annual billing by contacting NAL at the address below. **DO NOT SEND PREPAYMENT.**

### **Send Requests to:**

USDA, National Agricultural Library  
Lending Branch, ILL, 6th Floor  
Beltsville, Maryland 20705-2351

Questions concerning these services may be made by correspondence to Head, Lending Branch or by telephone (301) 344-3755.





## ELECTRONIC ACCESS FOR INTERLIBRARY LOAN (ILL) REQUESTS

The National Agricultural Library (NAL), Lending Branch accepts ILL requests from libraries via several electronic services. All requests must comply with established routing and referral policies and procedures. The transmitting library will pay all fees incurred during the creation of requests and communication with NAL. A sample format for ILL requests is printed below along with a list of the required data/format elements.

### ELECTRONIC MAIL — (Sample form below)

SYSTEM	ADDRESS CODE
ALANET .....	ALA1031 (SYSTEM 41)
BITNET .....	LENDINGBR@UMDARS
DIALCOM .....	NALLENDING AGS3058 (SYSTEM 57)
EASYLINK .....	62031265
ONTYME .....	NAL/LB
SprintMail .....	NALLENDING
TWX/TELEX.....	Number is 710-828-0506 NAL LEND. This number may only be used for ILL requests.
OCLC .....	NAL's symbol AGL need only be entered once, but it must be the LAST entry in the Lender string. Requests from USDA and Federal libraries may contain AGL anywhere in the Lender string.

### SAMPLE ELECTRONIC MAIL REQUEST

AG University/NAL ILLRQ 231 9/1/88 NEED BY: 10/1/88

Interlibrary Loan Department  
Agriculture University Library  
Heartland, IA 56789

Dr. Jones Faculty Ag School

Canadian Journal of Soil Science 1988 v 68(1): 17-27  
DeJong, R. Comparison of two soil-water models under semi-arid growing conditions

Ver: AGRICOLA

Remarks: Not available at IU or in region.

NAL CA: 56.8 C162

Auth: C. Johnson CCL Maxcost: \$10.00

MORE

**TELEFACSIMILE** - Telephone number is 301-344-3675. NAL accepts ILL requests via telefacsimile. Requests should be created on standard ILL forms and then faxed to NAL. NAL does not fill requests via Fax at this time.

### REQUIRED DATA ELEMENTS/FORMAT

1. Borrower's address must be in block format with at least two blank lines above and below so form may be used in window envelopes.
2. Provide complete citation including verification, etc.
3. Provide authorizing official's name (request will be rejected if not included).
4. Include statement of copyright compliance if applicable.
5. Indicate willingness to pay applicable charges.
6. Include NAL call number if available.

Contact the Lending Branch at (301) 344-3755 if additional information is required.





\* NATIONAL AGRICULTURAL LIBRARY



1022485601